

June 9, 2005

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Ashley Federal 13-23-9-15, 14-23-9-15, 8-24-9-15, 9-24-9-15, 13-24-9-15, and 14-24-9-15.

#### Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Manchi Cuzzis Mandie Crozier

Regulatory Specialist

mc

enclosures

RECEIVED

JUN 1 3 2005

DEL OF CIL, GAS & MINING

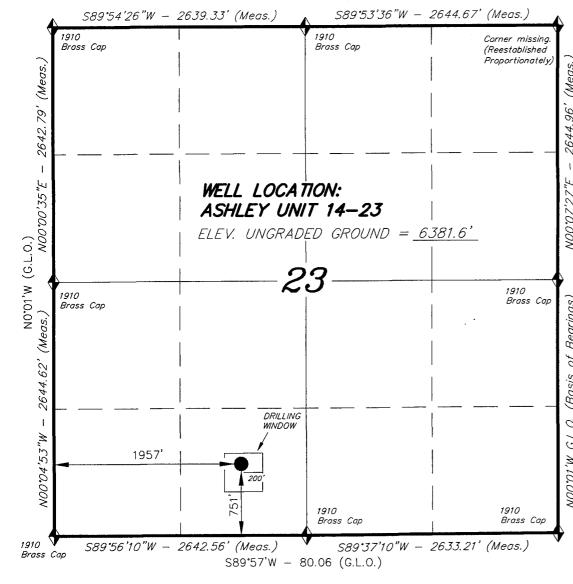
Form 3160-3 (September 2001) UNITED STATES	FORM APPROVED : OMB No. 1004-0136 Expires January 31, 2004						
DEPARTMENT OF THE IN	TERIOR			5. Lease Serial No.			
BUREAU OF LAND MANAG	SEMENT			UTU-66185			
APPLICATION FOR PERMIT TO DR		6. If Indian, Allottee or I					
1a. Type of Work: DRILL REENTER	Ł			7. If Unit or CA Agreement, Name and No. Ashley			
1b. Type of Weil: A Oil Well Gas Well Other	× s	Single Zone 🔲 Multip	ole Zone	8. Lease Name and Well I Ashley Federal 14-23			
Name of Operator     Newfield Production Company					3-32817		
. I		lo. (include area code)		10. Field and Pool, or Expl	oratory		
Route #3 Box 3630, Myton UT 84052	(43	5) 646-3721		Monument Butte			
4. Location of Well (Report location clearly and in accordance with a At surface SE/SW 751' FSL 1957' FWL 568/83)	χ. i	40.011220		11. Sec., T., R., M., or Blk.	•		
At proposed prod. zone 44290	98 y .	110.20112	0	SE/SW Sec. 23, T			
14. Distance in miles and direction from nearest town or post office*				12. County or Parish	13. State		
Approximatley 16.9 miles southwest of Myton, Utah				Duchesne	UT		
15. Distance from proposed* location to nearest	16. No. of	Acres in lease	17. Spacin	17. Spacing Unit dedicated to this well			
property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 637 f/lse, 6031' f/unit	22	86.43		40 Acres			
18. Distance from proposed location*	19. Propos	ed Depth	20. BLM/I	0. BLM/BIA Bond No. on file			
to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1252	5880'			UT0056			
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	1	cimate date work will sta-	rt*	23. Estimated duration			
6382' GL	4th Quarter 2005			Approximately seven (7) days from spud to rig release.			
•	24. Att	achments					
The following, completed in accordance with the requirements of Onshor	e Oil and Ga	s Order No.1, shall be att	ached to this	s form:			
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office).</li> </ol>	Lands, the	Item 20 above). 5. Operator certific	ation. specific info	ns unless covered by an exis			
25. Signature Wearship Cursier		e (Printed/Typed) Indie Crozier		Date	0/9/05		
Title Regulatory Specialist				,	·		
Approved by (Signature)	Nam	BRADLEY	G. HI	LL Date	86-16-05		
Title	Offi	ENVIRONMENTA	LSCIEN	1151111			
Application approval does not warrant or certify the the applicant holds le operations thereon.  Conditions of approval, if any, are attached.	egal or equita	ble title to those rights in	the subject	lease which would entitle the	applicant to conduct		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it States any false, fictitious or fraudulent statements or representations as to	a crime for a	any person knowingly an within its jurisdiction.	d willfully t	o make to any department or	agency of the United		
*(Instructions on reverse)							

Federal Approval of this Action is Necessary

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### T9S, R15E, S.L.B.&M.

S89\*59'W - 80.14 (G.L.O.)



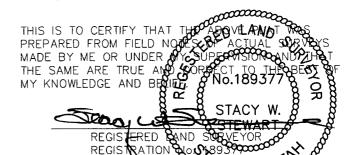


= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

#### NEWFIELD PRODUCTION COMPANY

WELL LOCATION, ASHLEY UNIT 14-23, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 23, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



#### TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 5-04-05	DRAWN BY: F.T.M.
NOTES:	FILE #

#### NEWFIELD PRODUCTION COMPANY ASHLEY FEDERAL #14-23-9-15 SE/SW SECTION 23, T9S, R15E DUCHESNE COUNTY, UTAH

#### ONSHORE ORDER NO. 1

#### <u>DRILLING PROGRAM</u>

#### 1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

#### 2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta 0' - 2480' Green River 2480'

Wasatch 5880°

#### 3. <u>ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:</u>

Green River Formation 2480' - 5880' - Oil

#### 4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

#### 5. <u>MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:</u>

Please refer to the Monument Butte Field SOP. See Exhibit "C".

#### 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

#### 7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

#### 8. <u>TESTING</u>, LOGGING AND CORING PROGRAMS:

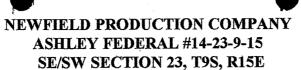
Please refer to the Monument Butte Field SOP.

#### 9. <u>ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:</u>

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

#### 10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.



#### ONSHORE ORDER NO. 1

**DUCHESNE COUNTY, UTAH** 

#### MULTI-POINT SURFACE USE & OPERATIONS PLAN

#### 1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Ashley Federal #14-23-9-15 located in the SE 1/4 SW 1/4 Section 23, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly along Hwy 53 - 1.8 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 13.1 miles  $\pm$  to it's junction with an existing road to the east; proceed easterly - 0.4 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed along the proposed access road 290'  $\pm$  to the proposed well location.

#### 2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

#### 3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

#### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

All permanent surfaces equipment will be painted Olive Black.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

#### 5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

#### 6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

#### 7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

#### 8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

#### 9. WELL SITE LAYOUT

See attached Location Layout Diagram.

#### 10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

#### 11. SURFACE OWNERSHIP - Bureau Of Land Management

#### 12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #03-59, 9/15/03. Paleontological Resource Survey prepared by, Wade E. Miller, 6/7/03. See attached report cover pages, Exhibit "D".

For the Ashley Federal #14-23-9-15 Newfield Production Company requests 290' of disturbed area be granted in Lease UTU-66185 to allow for construction of the proposed access road.

Refer to Topographic Map "B". The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 290' of disturbed area be granted in Lease UTU-66185 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

#### Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

#### Threatened, Endangered, And Other Sensitive Species

Golden Eagle: Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and May 15. If the nest remains inactive on July 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

#### **Reserve Pit Liner**

A 12 mil liner will be optional for the proposed 14-23-9-15. Please refer to the Monument Butte Field SOP.

#### **Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale	Atriplex confertifolia	3 lbs/acre
Indian Ricegrass	Oryzopsis hymenoides	4 lbs/acre
Black Sage	Artemisia Nova	3 lbs/acre
Needle and Threadgrass	Stipa comata	3 lbs/acre

#### **Details of the On-Site Inspection**

The proposed Ashley Federal #14-23-9-15 was on-sited on 4/12/05. The following were present; Shon Mckinnon (Newfeild Production), Brad Mecham (Newfield Production), Byron Tolman (Bureau of Land Management), and Amy Torez (Bureau of Land Management). Weather conditions were clear.

#### 13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

#### Representative

Name:

Shon Mckinnon

Address:

Route #3 Box 3630

Myton, UT 84052

Telephone:

(435) 646-3721

#### **Certification**

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #14-23-9-15 SE/SW Section 23, Township 9S, Range 15E: Lease UTU-66185 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

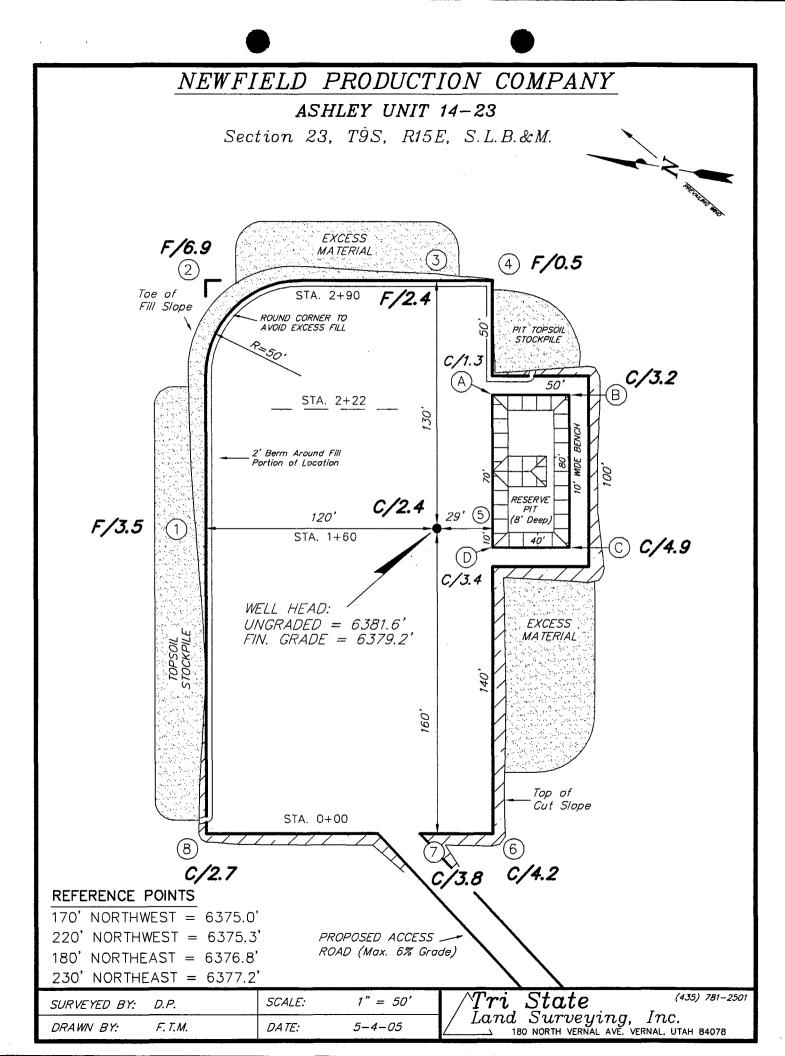
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date

Mandie Crozier

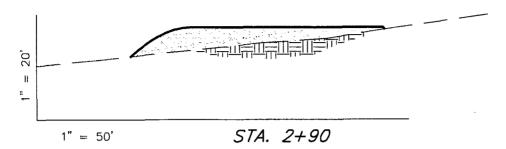
Regulatory Specialist

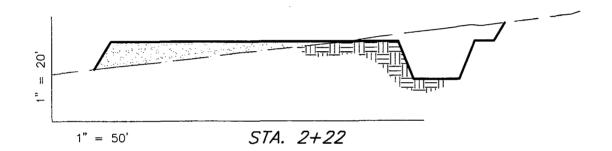
**Newfield Production Company** 

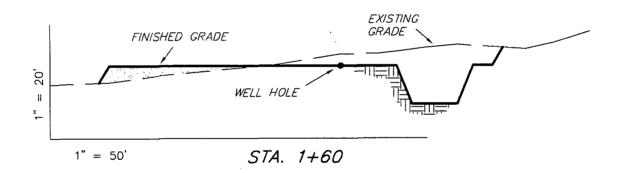


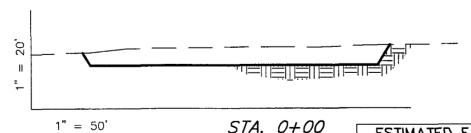
# NEWFIELD PRODUCTION COMPANY CROSS SECTIONS

#### ASHLEY UNIT 14-23









NOTE: UNLESS OTHERWISE NOTED ALL CUT/FILL SLOPES ARE AT 1.5:1 ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

6" TOPSOIL **EXCESS** ITEM CUT FILL Topsoil is not included in Pad Cut PAD 2,290 2,290 PIT 640 640 TOTALS 2,930 2,290 980 640

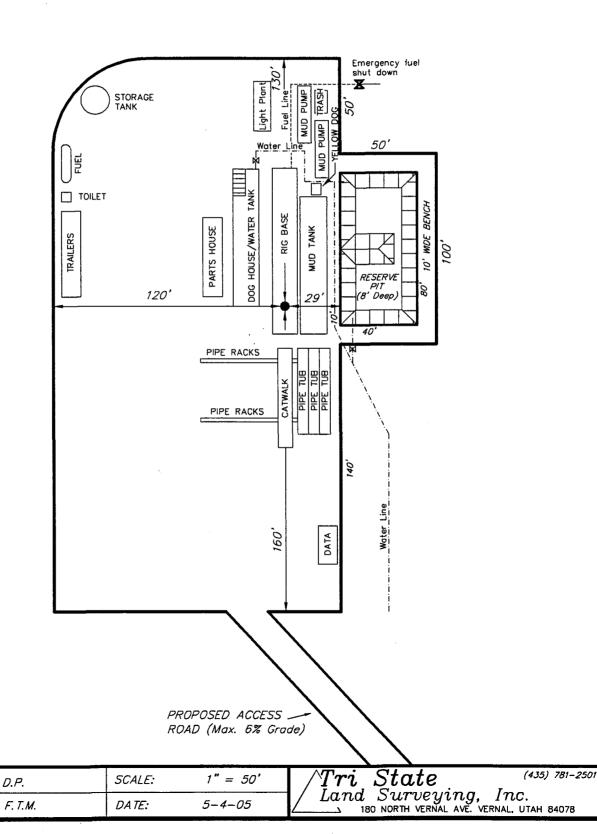
SURVEYED BY:	D.P.	SCALE:	1" = 50'
DRAWN BY:	F. T.M.	DATE:	5-4-05

Tri State

Land Surveying, Inc.

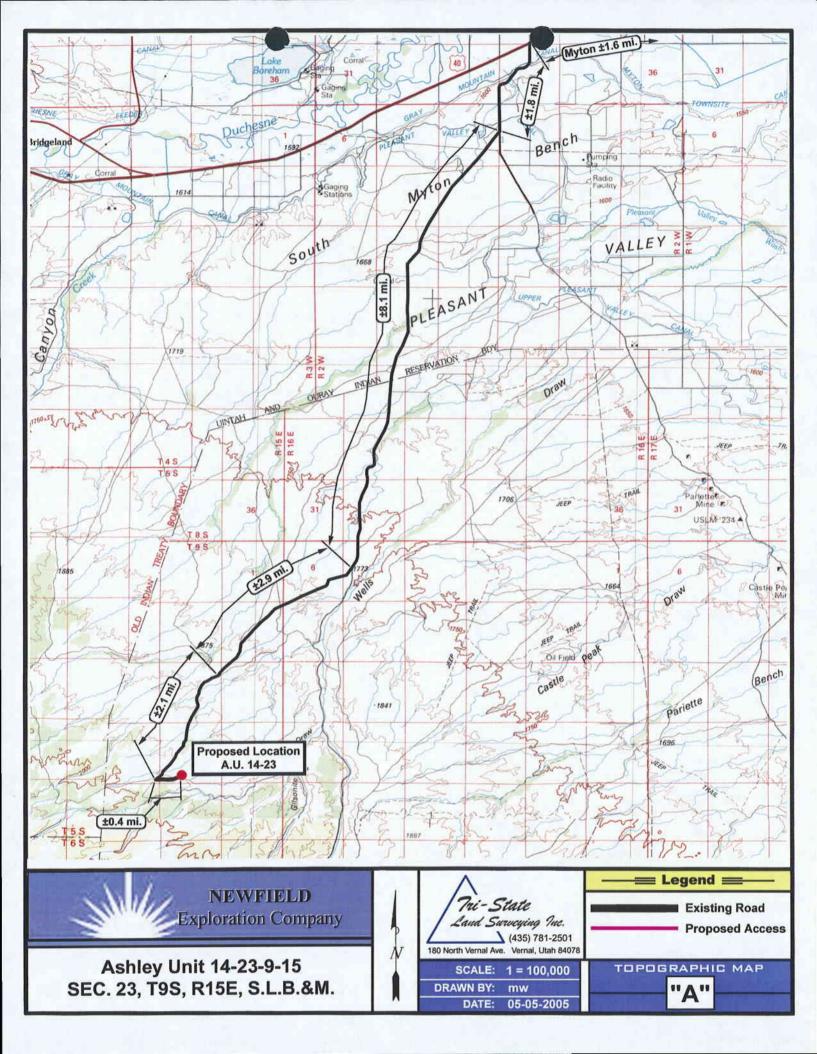
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

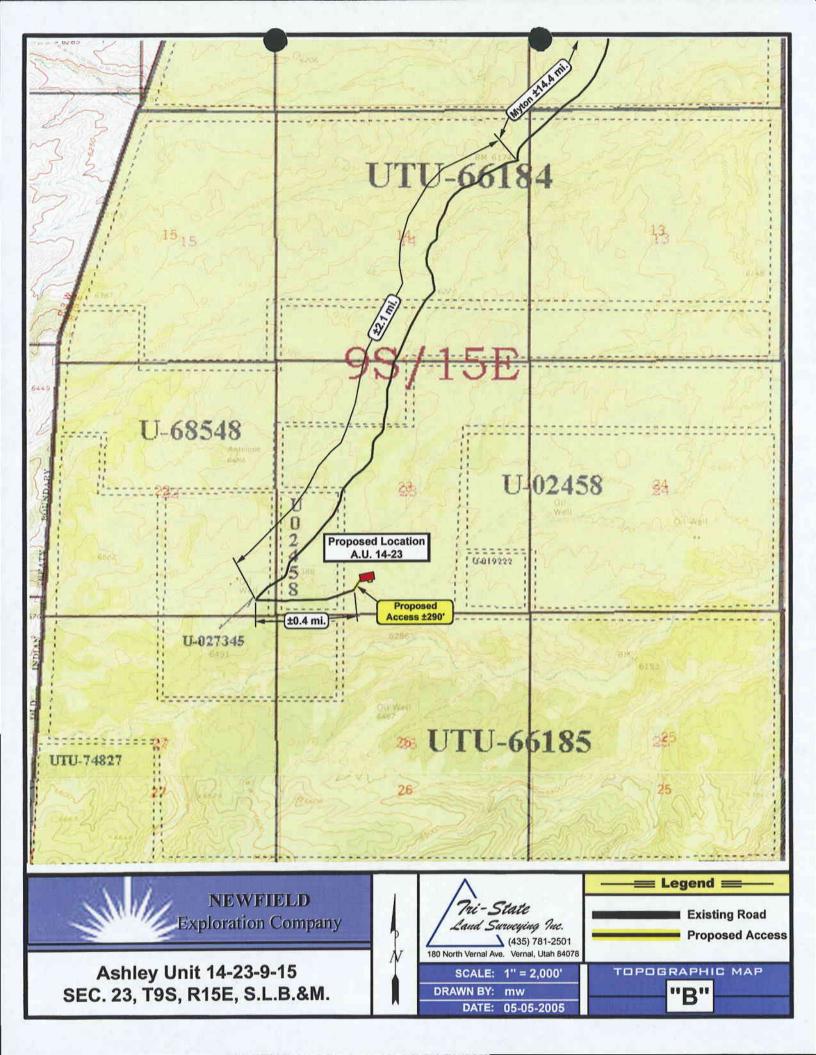
# NEWFIELD PRODUCTION COMPANY TYPICAL RIG LAYOUT ASHLEY UNIT 14-23

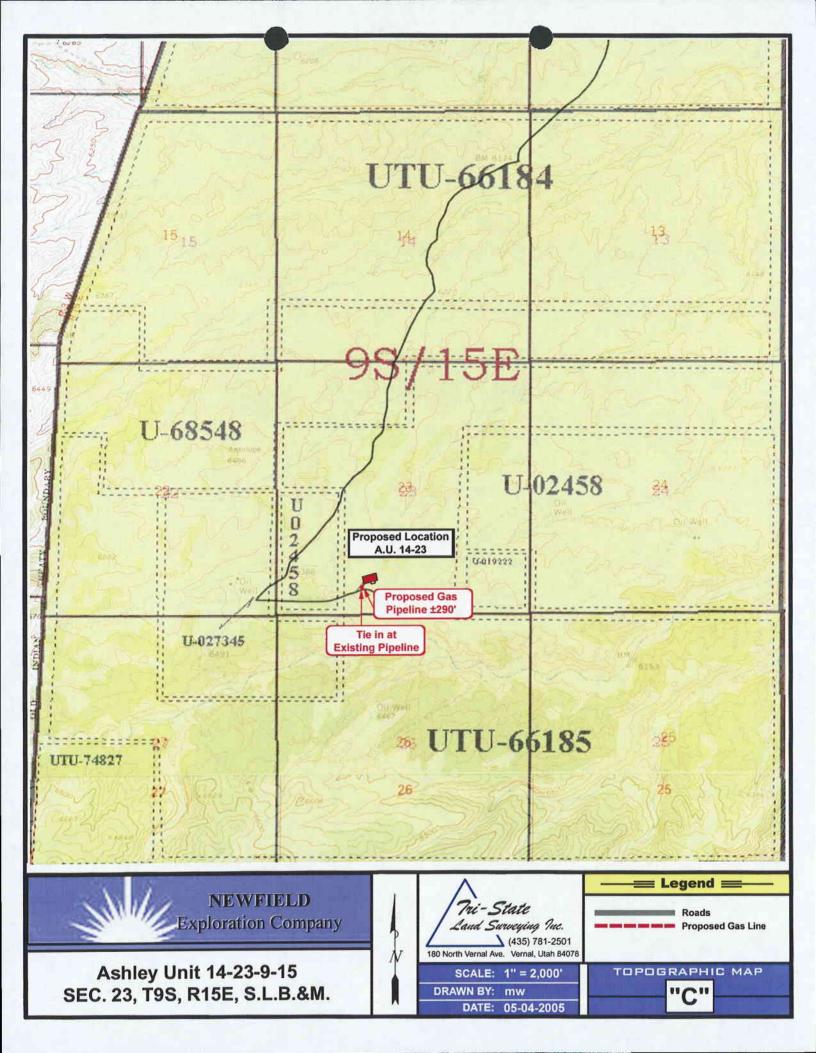


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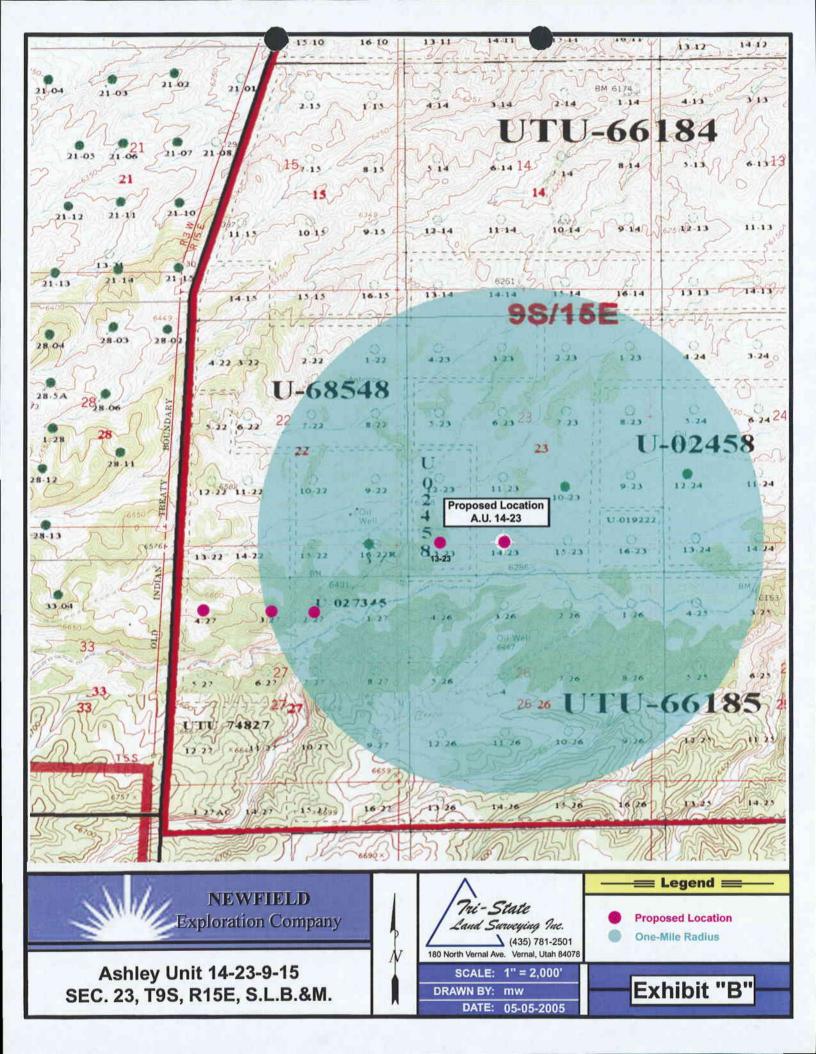
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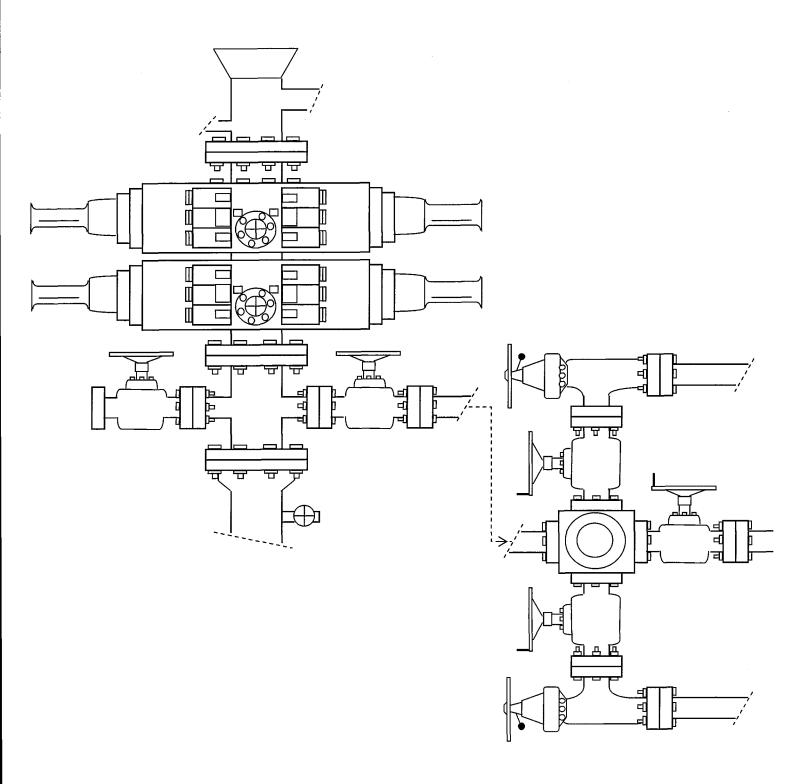


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2-M SYSTEM

Blowout Prevention Equipment Systems



**EXHIBIT C** 

Exhibit "D"

Page 1 of 4

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES' 1573 ACRE ASHLEY UNIT, IN TOWNSHIP 9S, RANGE 15E, SECTIONS 22, 23 AND 24, DUCHESNE COUNTY, UTAH

By:

Christopher M Nicholson and Keith R. Montgomery

Prepared For:

Bureau of Land Management Vernal Field Office Vernal, Utah

Prepared Under Contract With:

Inland Resources Route 3, Box 3630 Myton, UT 84052

Prepared By:

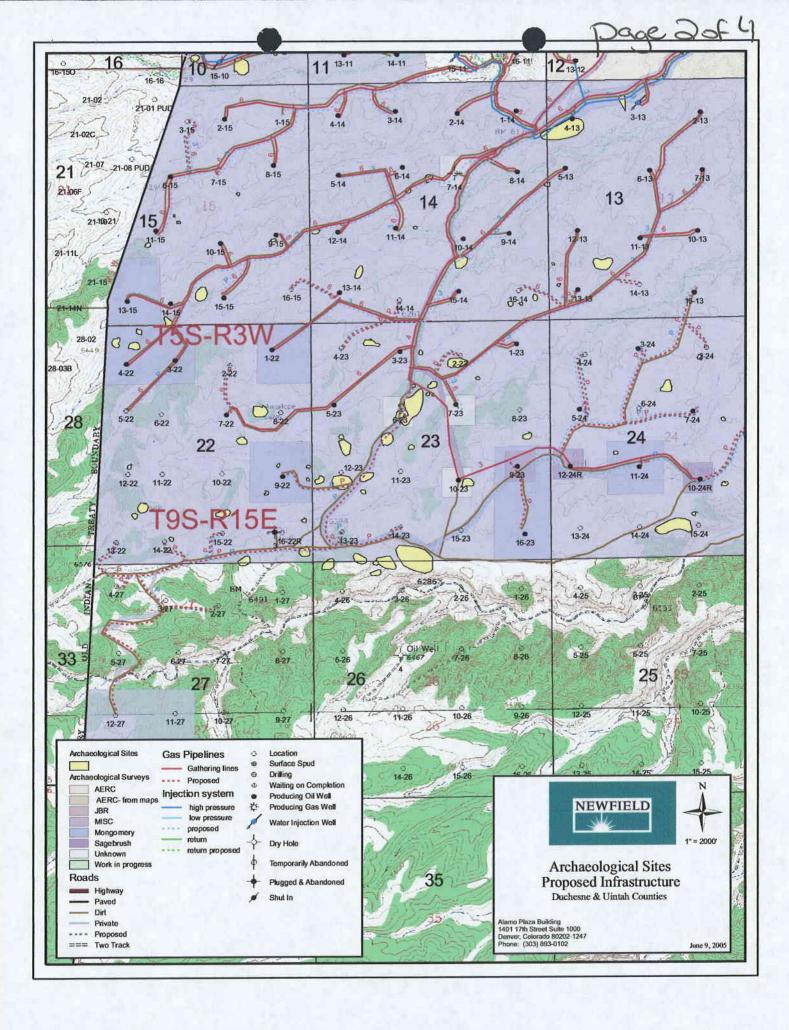
Montgomery Archaeological Consultants P.O. Box 147 Moab, Utah 84532

MOAC Report No. 03-59

September 15, 2003

United States Department of Interior (FLPMA)
Permit No. 03-UT-60122

State of Utah Antiquities Project (Survey) Permit No. U-03-MQ-0392b



#### INLAND RESOURCES, INC.

## PALEONTOLOGICAL FIELD SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, DUCHESNE COUNTY, UTAH

(South half Section 13, south half Section 14, south half Section 15, entire Sections 22, 23, 24, T 9 S, R 15 E; Section 5 minus SW & SE 1/4, SE 1/4, and existing well site at NW 1/4, NE 1/4, T 9 S, R 18 E)

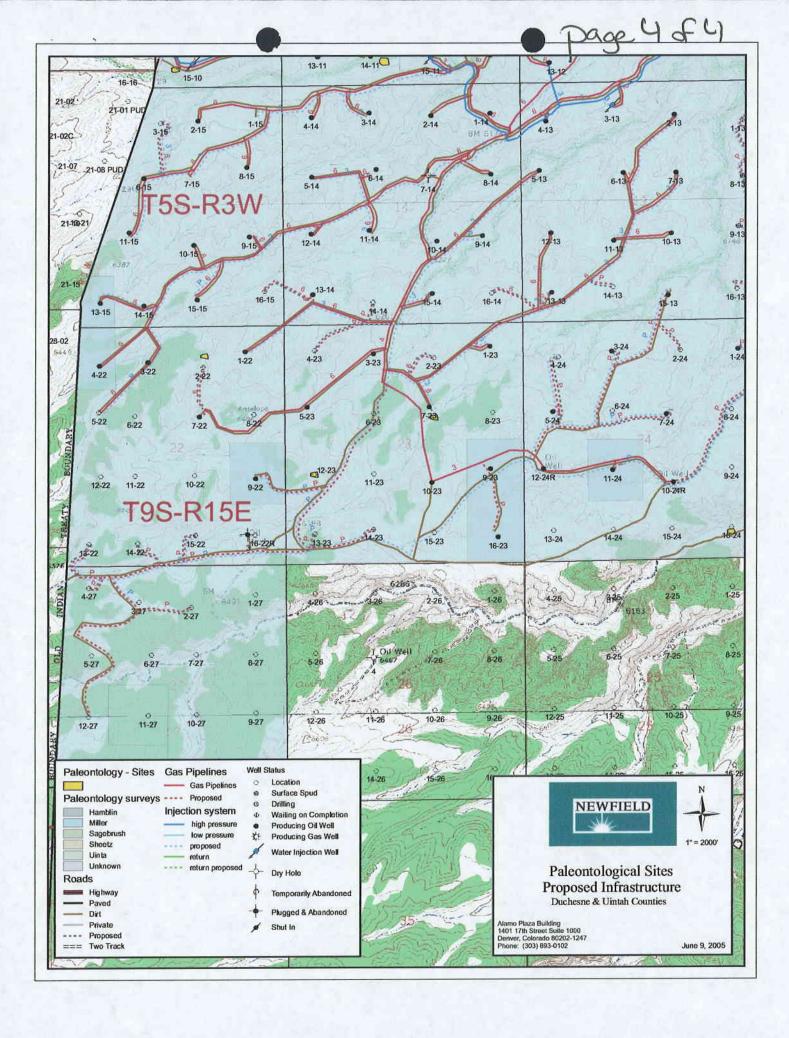
#### REPORT OF SURVEY

Prepared for:

Inland Resources, Inc.

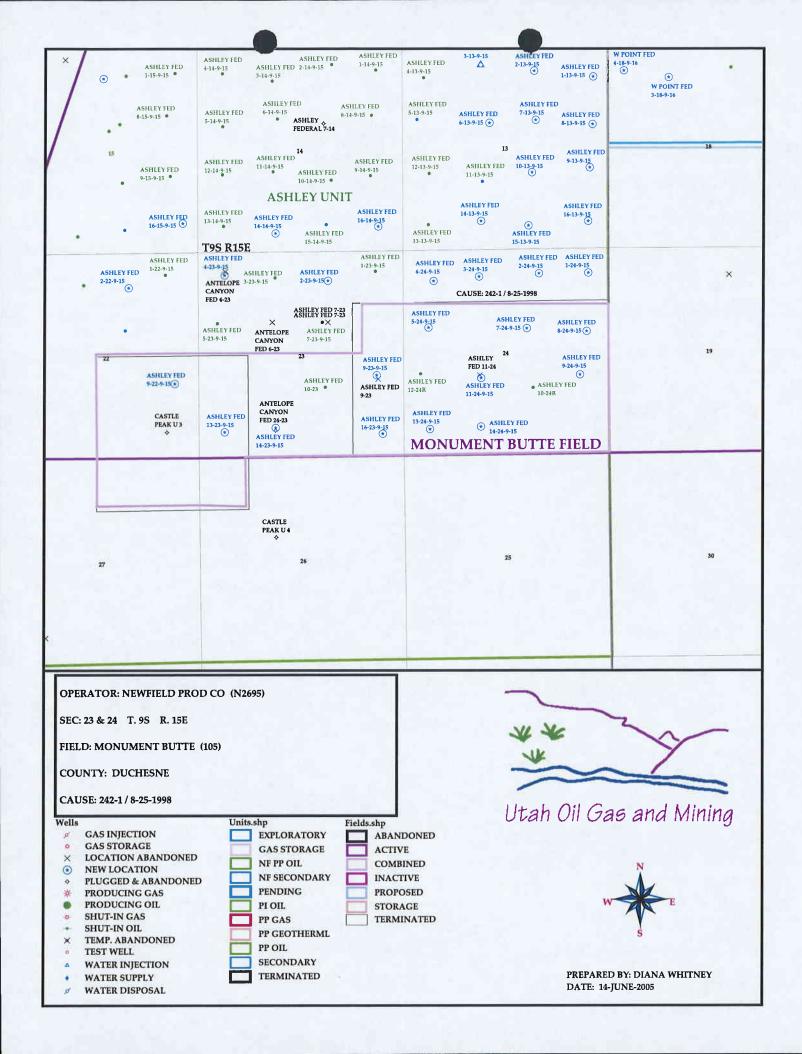
Prepared by:

Wade E. Miller Consulting Paleontologist June 7, 2003



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

<u> </u>								
APD RECEIVE	ED: 06/13/2005	API NO. ASSIGN	ED: 43-013-328	17				
OPERATOR:	ASHLEY FED 14-23-9-15  NEWFIELD PRODUCTION ( N2695 )  MANDIE CROZIER	PHONE NUMBER: $\frac{4}{}$	35-646-3721					
PROPOSED LO	CATION: 23 090S 150E	INSPECT LOCATN	I BY: / /	,				
SURFACE	: 0751 FSL 1957 FWL	Tech Review	Initials	Date				
BOTTOM: DUCHESNI		Engineering						
MONUMENT	F BUTTE ( 105 )	Geology						
	1 - Federal	Surface						
SURFACE OWN PROPOSED FO	ER: UTU-66185 ER: 1 - Federal ERMATION: GRRV HANE WELL? NO	LATITUDE: 40.01122  LONGITUDE: -110.2011						
Plat Bond: (No. Potas J Oil S Water (No. N RDCC (Dat	hale 190-5 (B) or 190-3 or 190-13  Permit  MUNICIPAL )  Review (Y/N)	LOCATION AND SITING:  R649-2-3.  Unit ASHLEY  R649-3-2. General     Siting: 460 From Qtr/Qtr & 920' Between Wells     R649-3-3. Exception  Drilling Unit     Board Cause No: 242-1     Eff Date: \$.26-199\$     Siting: Suspends Siting  R649-3-11. Directional Drill						
COMMENTS:	S. D. Sike.	O approved						
		upper (A)	-					



## United States Department of the Interior

#### BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

June 15, 2005

Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2005 Plan of Development Ashley Unit,

Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Ashley Unit, Duchesne County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ Green River)

43-013-32816 Ashley Fed 13-23-9-15 Sec 23 T09S R15E 0660 FSL 0660 FWL 43-013-32817 Ashley Fed 14-23-9-15 Sec 23 T09S R15E 0751 FSL 1957 FWL 43-013-32818 Ashley Fed 8-24-9-15 Sec 24 T09S R15E 2130 FNL 0584 FEL 43-013-32819 Ashley Fed 9-24-9-15 Sec 24 T09S R15E 2009 FSL 0755 FEL 43-013-32820 Ashley Fed 13-24-9-15 Sec 24 T09S R15E 0660 FSL 0660 FWL 43-013-32821 Ashley Fed 14-24-9-15 Sec 24 T09S R15E 0706 FSL 1978 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Ashley Unit

Division of Oil Gas and Mining

Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:6-15-05



State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR.

GARY R. HERBERT Lieutenant Governor

June 16, 2005

Newfield Production Company Rt. #3, Box 3630 Myton, UT 84052

Re: Ashley Federal 14-23-9-15 Well, 751' FSL, 1957' FWL, SE SW, Sec. 23,

T. 9 South, R. 15 East, Duchesne County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32817.

Sincerely,

Gil Hunt

**Acting Associate Director** 

pab Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office

Operator:	Newfield Production Company						
Well Name & Number	Ashley Federal 14-23-9-15						
API Number:	43-013-32817						
Lease:	UTU-66185						
Location: <u>SE SW</u>	Sec. 23 T. 9 South	R. 15 East					

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

FORM APPROVED Form 3160-3 OMB No. 1004-0136 Expires January 31, 2004 (September 2001) **UNITED STATES** Lease Serial No. DEPARTMENT OF THE INTERIOR UTU-66185 BUREAU OF LAND MANAGEMENT If Indian, Allottee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7. If Unit or CA Agreement, Name and No. □ REENTER la. Type of Work: DRILL Ashlev 8. Lease Name and Well No. Ashley Federal 14-23-9-15 ☑ Oil Well ☐ Gas Well ☐ Other 1b. Type of Well: 9. API Well No. Name of Operator 4クー ビノマーマスミップ **Newfield Production Company** 10. Field and Pool, or Exploratory 3b. Phone No. (include area code) 3a. Address (435) 646-3721 Monument Butte Route #3 Box 3630, Myton UT 84052 11. Sec., T., R., M., or Blk. and Survey or Area Location of Well (Report location clearly and in accordance with any State requirements.\*) At surface SE/SW 751' FSL 1957' FWL Sec. 23, T9S R15E SE/SW At proposed prod. zone 13. State 12. County or Parish 14. Distance in miles and direction from nearest town or post office\* UT Duchesne Approximatley 16.9 miles southwest of Myton, Utah 17. Spacing Unit dedicated to this well 16. No. of Acres in lease 15. Distance from proposed\* location to neares property or lease line, ft. 40 Acres 2286.43 Approx. 637' f/lse, 6031' f/unit (Also to nearest drig. unit line, if any) 20. BLM/BIA Bond No. on file 19. Proposed Depth 18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. UT0056 Арргох. 1252 5880 22. Approximate date work will start\* 23. Estimated duration Elevations (Show whether DF, KDB, RT, GL, etc.) Approximately seven (7) days from spud to rig rela 4th Quarter 2005 6382' GL 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: Bond to cover the operations unless covered by an existing bond on file (see 1. Well plat certified by a registered surveyor. Item 20 above). 2. A Drilling Plan. Operator certification 3. A Surface Use Plan (if the location is on National Forest System Lands, the Such other site specific information and/or plans as may be required by the SUPO shall be filed with the appropriate Forest Service Office). authorized officer. Name (Printed/Typed) 25. Signature Mandie Crozier Title Regulatory Spe Name (Printed/Typed) Approx Office ibid Manager Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Accepted by the \*(Instructions on reverse) RECEIVED Utah Division of Oil, Gas and Mining MAY 1 1 2006 FOR RECORD ONLY DIV. OF OIL, GAS & MINING

NUTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACAME



## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

#### VERNAL FIELD OFFICE

170 South 500 East

**VERNAL, UT 84078** 

(435) 781-4400



#### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Do. Location: SESW, Sec. 23, T9S, R15E

Well No: Ashley Federal 14-23-9-15 Lease No: UTU-66185 API No: 43-013-32817 Agreement: Ashley Unit

Matt Baker Office: 435-781-4490 Cell: 435-828-4470 Petroleum Engineer: Michael Lee Office: 435-781-4432 Cell: 435-828-7875 Petroleum Engineer: Office: 435-781-4470 Petroleum Engineer: Roger Hall Office: 435-781-4502 Cell: 435-828-3913 Jamie Sparger Supervisory Petroleum Technician: Paul Buhler Office: 435-781-4475 Cell: 435-828-4029 Environmental Scientist: Office: 435-781-4484 Karl Wright Environmental Scientist: Office: 435-781-4404 Holly Villa Natural Resource Specialist:

Natural Resource Specialist: Melissa Hawk
Natural Resource Specialist: Nathaniel West
Natural Resource Specialist: Chris Carusona
Natural Resource Specialist: Scott Ackerman
Office: 435-781-4447
Office: 435-781-4447
Office: 435-781-4447

**After Hours Contact Number: 435-781-4513** Fax: 435-781-4410

## A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

#### NOTIFICATION REQUIREMENTS

Location Construction - Forty-Eight (48) hours prior to construction of location and access roads. (Notify Nate West)

Location Completion - Prior to moving on the drilling rig. (Notify Nate West)

Spud Notice - Twenty-Four (24) hours prior to spudding the well.

(Notify Petroleum Engineer)

Casing String & Cementing
(Notify Jamie Sparger)

- Twenty-Four (24) hours prior to running casing and cementing all casing strings.

BOP & Related Equipment Tests - Twenty-Four (24) hours prior to initiating pressure tests. (Notify Jamie Sparger)

First Production Notice
(Notify Petroleum Engineer)

- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

COAs: Page 2 of 8 Well: Ashley Federal 14-23-9-15

#### SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- 1. This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed November 21, 2005. If the well has not been spudded by November 21, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
- 2. All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.
- 3. The proposed buried pipelines will be laid adjacent to the access roads, using the road as a working surface. The pipeline trench shall be dug in the borrow ditch of the road and the trench material side cast into the existing vegetation. Upon completion of backfilling the trenches, reclaim with a seed drill using the seed mix listed below. Seeding shall include the area where the trench material was set aside.
- 4. Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- 5. If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- 6. The reserve pit will be lined with a 16 ml or greater liner.
- 7. No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- 8. The liner is to be cut at the level of the cuttings or treated to prevent the reemergence of the pit liner and pit material to the surface or its interference with long-term successful re-vegetation.

  Any excess liner material removed from the pit is to be disposed of at an authorized disposal site.
- 9. When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.
- 10. Drill cuttings and mud will remain in the reserve pit until **DRY**. The reserve pit must be free of oil and other liquid and solid wastes, allowed to dry, be pumped dry, or solidified in-situ prior to filling.

COAs: Page 3 of 8

Well: Ashley Federal 14-23-9-15

11. The reserve pit will not be "squeezed," (filled with soil while still containing fluids) or "cut" (puncturing the pit liner while still containing fluids to allow pit fluids to drain from the pit).

12. Prevent fill and stock piles from entering drainages.

#### CULTURAL AND PALEONTOLOGICAL RESOURCES STIPULATIONS

- 13. Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.
- 14. Golden eagle nesting activity has been documented within 0.5 miles of the work site, initial construction will not commence between February 1 and July 15.
- 15. The access road will be crowned and ditched. Flat-bladed roads are **NOT** allowed.
- 16. Notify the Authorized Officer 2 weeks prior to surface disturbance so biologists can verify golden eagle nesting activity.
- 17. All well facilities not OSHA regulated will be painted Olive Black.
- 18. Trees which must be removed from the location must be piled separately off location and saved for final reclamation purposes.
- 19. Interim Reclamation (see below):
- 20. The first 4-6 inches of topsoil from the construction site will be stripped and piled separately from other excavated material.
- 21. Where areas will be set aside on an interim basis (areas due to receive further disturbance prior to final reclamation) these sites will be re-contoured as much as possible, have needed top soil re-spread and planted with the seed mix below:

Galleta grass Hilaria jamesil 15 lbs/acre
Western wheatgrass Pascopyrum smithii 6 lbs/acre
Per Live Seed Total 21 lbs/acre

- 22. Once the location is plugged and abandoned contact the Authorized Officer for final reclamation plans.
- 23. The seed mix listed in the APD (black sage, shadscale, Indian rice grass, needle and thread grass)

COAs: Page 4 of 8 Well: Ashley Federal 14-23-9-15

shall be used to seed all unused portions of the pad no longer needed for ongoing or future operation. Re-seeding may be required if the first seeding is not successful.

- 24. All seed mixtures shall be weed free.
- 25. The seed shall be drilled or hand broadcast and harrowed into the ground during September of the year following earthwork for initial or final reclamation. Planting depth shall not exceed one-half inch using a seed drill. Weed seed free mulch shall also be applied to the planting area sufficiently to uniformly cover 80% of the seeded area. Hydroseeding and mulching can also be used, but seeding rates will need to be doubled.

COAs: Page 5 of 8

Well: Ashley Federal 14-23-9-15

#### DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- 1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- 2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- 3. Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- 4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

- 5. All shows of fresh water and minerals shall be reported and protected. A sample shall be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- 6. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.

COAs: Page 6 of 8 Well: Ashley Federal 14-23-9-15

7. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.

- 9. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.
  - All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- 10. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all

COAs: Page 7 of 8 Well: Ashley Federal 14-23-9-15

future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

- 11. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- 12. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (1/41/4, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.
- 13. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- 14. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
- 15. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day

COAs: Page 8 of 8 Well: Ashley Federal 14-23-9-15

period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

16. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## **DIVISION OF OIL, GAS AND MINING**

#### **SPUDDING INFORMATION**

Name of Company:	NEWFIELD PRODUCTION COMPANY									
Well Name:	ASHLEY FED 14-23-9-15									
Api No: 43-013-32	Lease Ty	pe:FEDERAL								
Section 23 Townshi	p <u>09S</u> Range <u>15E</u>	County <b>DUCHESNE</b>								
Drilling Contractor	NS#1	RIG # <u>NS#1</u>								
Time	06/28/06 12:30 PM DRY									
<u> </u>										
Telephone #	(435) 823-6013									
Date 06/28/2006	Signed CH	ID								

### **RECEIVED**

JUL 0 5 2006

OPERATOR: NEWFIELD PRODUCTION COMPANY

ADDRESS: RT. 3 BOX 3630

MYTON, UT 84052

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

4356463031

10:11

07/05/2006

NOTE: Use COMMENT section to explain why each Action Code was selected.

DIV. OF OIL, GAS & MINING

OPERATOR ACCT. NO. N2695

			···								
CODE	CURRENT ENTITY ND.	WEW CHYTTINE	API NUMBER	WELL HAME	00	\$C	TP	DCATION RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	15479	43-013-328/7	ASHLEY FEDERAL 14-23-9-15	SE/SW	23	98	15E	DUCHESNE	06/28/06	1/6/06
WELL 1 CC	DAMMENTS:	REU								_	
ACTION	CURRENT ENTITY NO.	NEW ENTITY NO.	API MUMBER	WELL NAME	900	SC V	VELL LOCATI	ON RG	COURTY	SPUD DATE	EFFECTIVE CATE
A	99999	100	43-813-32874	ASHLEY FEDERAL 6-24-9-16	SENW	24	98	15E	DUCHESNE	07/03/06	7/6/06
	GR	RV									
ACTION	CURRENT	NEW'	APINUMBER	WELL NAME			WELLE	OCATION		S*UO	EFFECTIVE
CODE	ENTITY NO.	ENTRTY NO.			63	SC	TP	RG	COCUNTY	DATE	
ACTION	CURRENT	WEA.	API NUMBER	WELL NAME				OCATION		SKID	EFFECTIVE
CODE	ENTIFY NO.	ENTITY NO.			90	sc	TP T	IRG_	COUNTY	DATE	DATE
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	oo oo	sc	WELL	OCATION RG	солиту	SPMD DANE	EFFECTIVE DATE
WELL 60	OMMENTS:	<u> </u>				<u></u>	<del></del>				
ACTION	CURRENT	NEW	API NUMBER	MEIT WAYE				OCATION	•	8PUD	EFFECTIVE
CODE	ENTITY NO.	ENTERY NO.			OQ.	SC_	TP	RG	COURTY	DATE	DATE
ACTION		Siens on back of form) y by a new well (single w	ni anh)				1		, l <sub>-</sub>	111	<u> </u>
Q-	Add nove well to 44 Re-ession well from	isting eality (group cru is one existing eality to in one existing eatity to	nii well) Brather existing settily					/	Starfature	16beler	LANA NEBEKER
	Other (explain is o		•						Production Cler	<u>k</u>	July 5, 2006
									Tella		D.d.

FORM 3160-5 (September 2001)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

FORM A	PPROVED
OMB No.	1004-0135
Expires Jani	nary 31 2004

5. Lease Serial No.

SUNDR\ Do not use t abandoned w	6. If Indian, Allottee or Tribe Name.				
SUBMIT IN T	RIPLICATE - Other 1	Instructions on reverse sid	e	7. If Unit or CA/A	Agreement, Name and/or
Oil Well Gas Well	Other			8. Well Name and	
2. Name of Operator				ASHLEY 14-23	-9-15
NEWFIELD PRODUCTION CO 3a. Address Route 3 Box 3630	<u>)MPANY</u>	3b. Phone (include are code) 9. AP.			
Myton, UT 84052	C T D M C D-	435,646,3721		10. Field and Pool, or Exploratory Area	
4. Location of Well (Footage, 751 FSL 1957 FWL	Sec., T., R., M., or Survey De	scription)		MONUMENT I	
SESW Section 23 T9S R15E				, UT	
12. CHECK	C APPROPRIATE BOX	X(ES) TO INIDICATE NA	TURE OF N	OTICE, OR OT	THER DATA
TYPE OF SUBMISSION		ТҮРЕ	OF ACTION		
	Acidize	Deepen Deepen	Production	on(Start/Resume)	Water Shut-Off
✓ Notice of Intent  ☐ Subsequent Report	Alter Casing  Casing Repair	Fracture Treat  New Construction	Reclamat		☐ Well Integrity ☐ Other

of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

> Accepted by the that Division of Oil Gas and Mining Service Commission Commission Commission Commission Commission Commission Commission Commission Commission Com

I hereby certify that the foregoing is true and	Title	e			
Correct (Printed/Typed)  Mandie Crozier	Regulatory Specialist				
Signature Andio Cussion	Date 08/10/2006				
THIS SPACE F	OR FEDERAL OR STATE OFFI	CE USE			
Approved by	Title	Date			
Conditions of approval, if any, are attached. Approval of this notice does no certify that the applicant holds legal or equitable title to those rights in the su which would entitle the applicant to conduct operations thereon.		77.051			

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the UniteRECEIVEL States any false. fictitious and fraudulent statements or representations as to any matter within its jurisdiction. States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

FORM 3160-5 (June 1990)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Use "APPLICATION FOR PERMIT -" for such proposals

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

7. If Unit or CA, Agreement Designation

6. If Indian, Allottee or Tribe Name

UTU-66185

NA

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.

SUBMIT IN	ASHLEY (GR RVR)			
1. Type of Well Oil Well Gas Well Other	8. Well Name and No.  ASHLEY FEDERAL 14-23-9-15  9. API Well No.			
2. Name of Operator NEWFIELD PRODUCTION COMPANY		43-013-32817  10. Field and Pool, or Exploratory Area  MONUMENT BUTTE		
3. Address and Telephone No.  Rt. 3 Box 3630, Myton Utah, 84052 435-6 4. Location of Well (Footage, Sec., T., R., m., or Survey Description) 751 FSL 1957 FWL SE/SW Section	11. County or Parish. State  DUCHESNE COUNTY, UT.			
	TO INDICATE NATURE OF NOTICE, R	EPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPI	E OF ACTION		
X Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other Permit Extension	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		
Ву: 🗻	oproved by the	King King Looperator		
14. Thereby certify that the languaging is true and correct  Signed  Mandie Crozier	fine Regulatory Specialist	Date 6 1 2006		
CC: UTAI) DOGM (This space for Lederal or State office use)				
Approved by	Title	Date		
		JUN 0 2 2006		



## Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-32817  Well Name: Ashley Federal 14-23-9-15  Location: SE/SW Section 23, T9S R15E  Company Permit Issued to: Newfield Production Company  Date Original Permit Issued: 6/16/2005
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.
Following is a checklist of some items related to the application, which should be verified.
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes□No□♠
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☑
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□ No ☑
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No ☑
Has the approved source of water for drilling changed? Yes□No☑
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑
Is bonding still in place, which covers this proposed well? Yes ☑ No ☐
$\frac{2006}{\text{Signature}}$ $\frac{6/1/2006}{\text{Date}}$
Title: Regulatory Specialist
Representing: Newfield Production Company

JUN 0 2 2006

FORM 3160-5 (June 1990)

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVE	D
Budget Bureau No.	1004-0135

Budget E	sureau No.	1004-013
Expires:	March 31,	1993

5. Lease Designation and Serial No.

Change of Plans

Water Shut-Off

Dispose Water

Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

**New Construction** Non-Routine Fracturing

SUNDRY NOTICES AND REPORTS ON WELLS	UTU-66185
Do not use this form for proposals to drill or to deepen or reentry a different reservoing Use "APPLICATION FOR PERMIT -" for such proposed in the control of the control o	
SUBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation ASHLEY (GR RVR)
. Type of Well  X Oil Gas Well Other	8. Well Name and No.  ASHLEY FEDERAL 14-23-9-15  9. API Well No.  43-013-32817
Name of Operator NEWFIELD PRODUCTION COMPANY  Address and Telephone No.	10. Field and Pool, or Exploratory Area  MONUMENT BUTTE
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721  Location of Well (Footage, Sec., T., R., m., or Survey Description)  751 FSL 1957 FWL SE/SW Section 23, T9S R15E	11. County or Parish, State  DUCHESNE COUNTY, UT.
2. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOT TYPE OF SUBMISSION	TICE, REPORT, OR OTHER DATA TYPE OF ACTION

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Abandonment Recompletion

Plugging Back

Casing Repair

Altering Casing

Upon Construction of the Well Pad for the Ashley Federal 14-23-9-15 a dry hole marker was found for the P&A'd Antelope Canyon Fed. #24-23 well. The #24-23 was drilled to 300' and then plugged and abandoned on 9/21/1987 by Lomax Exploration Company.

APD Change

Due to this finding, Newfield Production Company requests to move the proposed Ashley Federal 14-23-9-15. The new footages will be 763' FSL 1960' FWL. This will move the well bore 12' to the north and 3' to the east to avoid the old well bore. A new 3160-3 form as well as new plats reflecting the changes are attached.

As per the request of the BLM Vernal Field Office a new sub-surface 2'x2'x1/4" plate will replace the existing dry hole marker on the Antelope Canyon Fed. 24-23. The new marker will contain the P&A Information and will also be equipped with a weep hole. 40.011253

568184X -110. 2011 08 Salar 4429 1024 14. I hereby certify that the fore 6/9/2006 Regulatory Specialist Date Signed Mandie Crozier 06-19-07 (This space for Title Approved by

Conditions of appr

X Notice of Intent

Subsequent Report

Final Abandonment Notice

**ENVIRONMENTAL MANAGER** 

Federal Approval of this Action is Nacassary

JUN 1 2 2006

CC. Utah DOGM

FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004 Form 3160-3 (September 2001) **UNITED STATES** 5. Lease Serial No. DEPARTMENT OF THE INTERIOR UTU-66185 BUREAU OF LAND MANAGEMENT 6. If Indian, Allottee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7. If Unit or CA Agreement, Name and No. la. Type of Work: ☐ REENTER **☑** DRILL Ashley 8. Lease Name and Well No. Oil Well Gas Well Other Single Zone □ Multiple Zone Ashley Federal 14-23-9-15 1b. Type of Well: Name of Operator 9. API Well No. **Newfield Production Company** 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory 3a. Address (435) 646-3721 Monument Butte Route #3 Box 3630, Myton UT 84052 11. Sec., T., R., M., or Blk. and Survey or Area Location of Well (Report location clearly and in accordance with any State requirements.\*) At surface SE/SW 763' FSL 1960' FWL SE/SW Sec. 23, T9S R15E At proposed prod. zone 13. State 12. County or Parish 14. Distance in miles and direction from nearest town or post office\* UT Approximatley 16.9 miles southwest of Myton, Utah Duchesne 17. Spacing Unit dedicated to this well 15. Distance from proposed\* 16. No. of Acres in lease location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 640' f/lse, 6034' f/unit 40 Acres 2286.43 20. BLM/BIA Bond No. on file 19. Proposed Depth 18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1252' UT0056 58801 22. Approximate date work will start\* 23. Estimated duration Elevations (Show whether DF, KDB, RT, GL, etc.) 4th Quarter 2005 Approximately seven (7) days from spud to rig releas 6382' GL 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: Bond to cover the operations unless covered by an existing bond on file (see 1. Well plat certified by a registered surveyor. Item 20 above) 2. A Drilling Plan. Operator certification. A Surface Use Plan (if the location is on National Forest System Lands, the Such other site specific information and/or plans as may be required by the SUPO shall be filed with the appropriate Forest Service Office). authorized officer. Name (Printed/Typed) Date 25. Signature Mandie Crozier 6/9/06 Title xy Specialist Name (Printed/Typed) BRADLEY G. HILL ENVIRONMENTAL MANAGER Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct

\*(Instructions on reverse)

Conditions of approval, if any, are attached.

operations thereon.

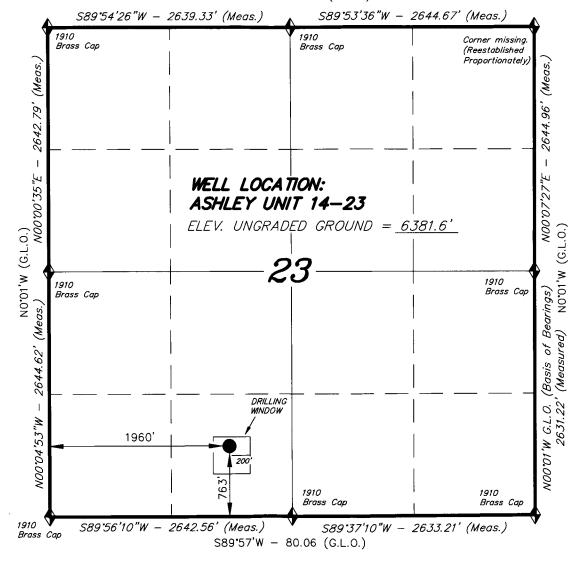
Federal Approval of this Action is Necessary

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
JUN 1 2 2006

### T9S, R15E, S.L.B.&M.

\$8959W - 80.14 (G.L.O.)





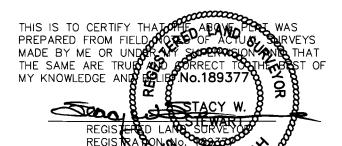
= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW) ASHLEY UNIT 14-23 (Surface Location) NAD 83 LATITUDE = 40°00′40.43″ LONGITUDE = 110°12′06.56″

#### NEWFIELD PRODUCTION COMPANY

WELL LOCATION, ASHLEY UNIT 14-23, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 23, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

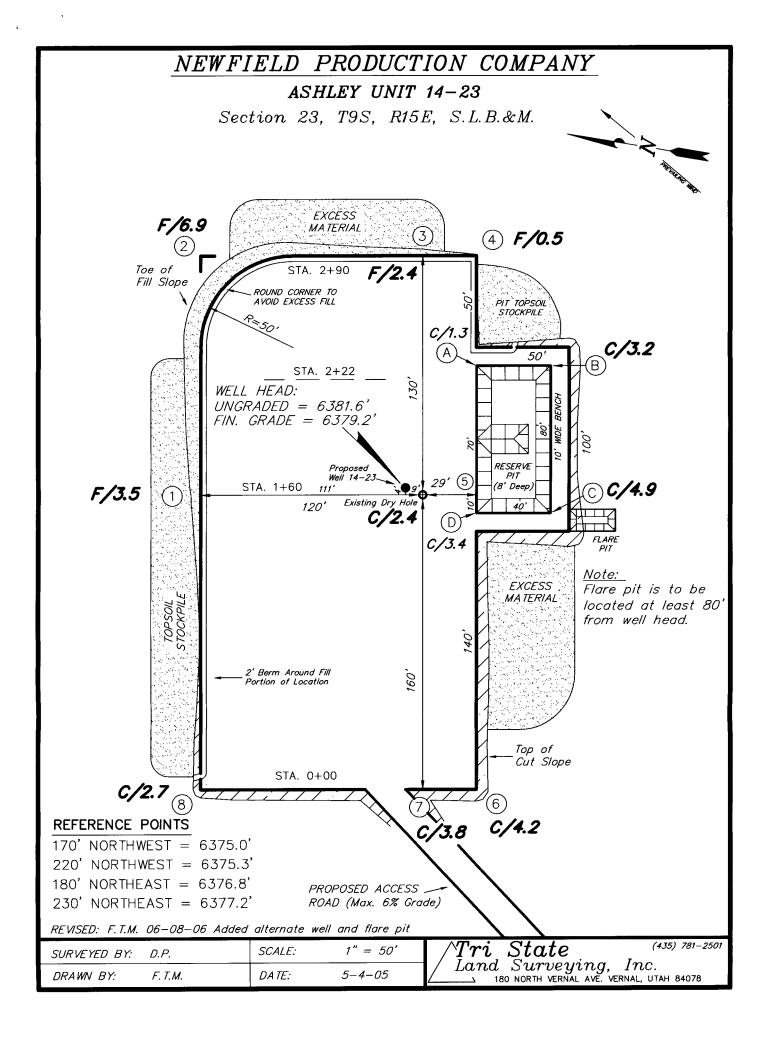




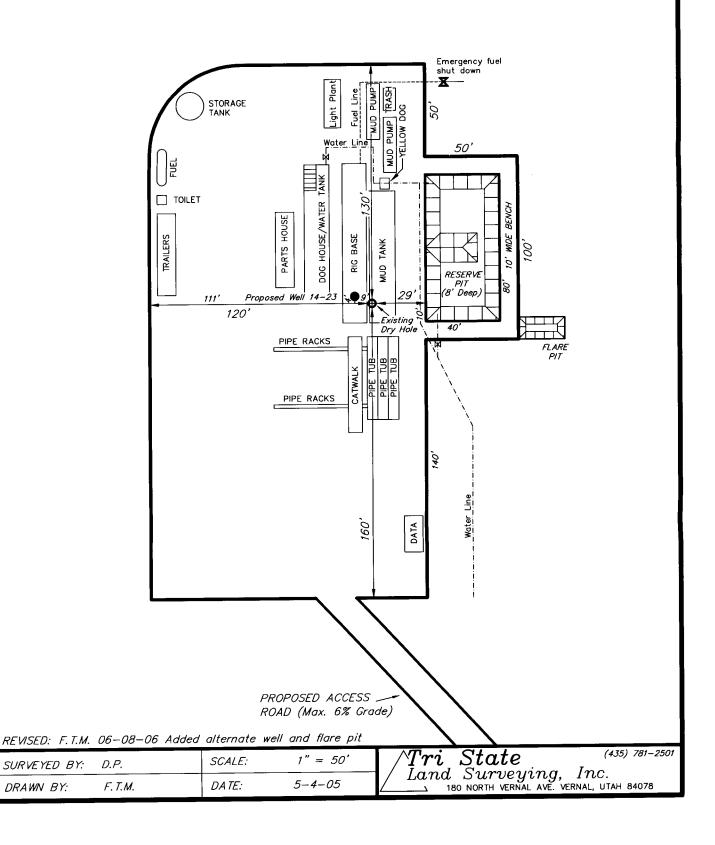
#### TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

DATE SURVEYED: 04-29-05	SURVEYED BY: D.P. / C.M.
DATE DRAWN: 05-04-05	DRAWN BY: F.T.M.
REVISED: 06-08-06 F.T.M.	SCALE: 1" = 1000'



# NEWFIELD PRODUCTION COMPANY TYPICAL RIG LAYOUT ASHLEY UNIT 14-23





June 9, 2006

Bureau of Land Management Attn: Mike Lee 170 South 500 East Vernal, Utah 84078-2799

RE: APD Change Ashley Federal 14-23-9-15.

Dear Mike:

Enclosed find the APD Change sundry and new plats for the Ashley Federal 14-23-9-15. The rest of the APD will remain unchanged. If you have any questions, give either Shon McKinnon or myself a call. You can call me direct @ 646-4825.

Sincerely,

Mandie Crozier

Regulatory Specialist

enclosures

CC: 4tch DOGM

RECEIVED
Jun 1 2 2006

DIV. OF OIL, GAS & MINING

FORM 3160-5 (September 2001)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals

UTU66185

5. Lease Serial No.

Myton, UT 84032   435.646.3721   10 Feld and Pool, or Exploratory Area Monument Butts: 11. County or Parish, State Duchense, UT   12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA TYPE OF SUBMISSION   TYPE OF ACTION   Water Shut-Off   Acidizz   Deepen   Production(Start/Resume)   Water Shut-Off   Prinal Abandonment Notice   Convert to Injector   Plug Back   Water Disposal   Deepen   Production(Start/Resume)   Water Shut-Off   Plug Back   Plug Back   Water Disposal   Deepen   Production(Start/Resume)   Plug Back   Water Disposal   Plug Back   Plug Back   Water Disposal   Plug Back   Plug Ba	abandoned we	ell. Use Form 3160-3 (APE	) for such proposals.		6. If Indian, Allow	ee or Tribe Name.
Section of New Fletch PRODUCTION COMPANY   S. Well Name and No.	engan salah sa Salah salah sa	Republicant Originalist St. Landing		to the second of		greement, Name and/or No.
A. AGI Well No.  a. Address Route 3 Box 350  Myon, UT 84052  Location of Well (Footage, Sec., T., R. M., or Survey Description)  10. Field and Pool, or Exploratory Area Monament of Type OF SUBMISSION  11. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA  TYPE OF SUBMISSION  12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA  TYPE OF SUBMISSION  13. Acidize  Alter Casing  Acidize  Alter Casing  Acidize  Alter Casing  Fracture Treat  Reclamation  Recomplete  Subsequent Report  Alter Casing  Fracture Treat  Reclamation  Recomplete  Spud Abandon  Plug Back  Water Disposal  Other Spud Abandon  Plug Back  Water Disposal  Acidize and Fracture Treat  Reclamation  Convert to Injector  Plug Back  Water Disposal  Other Spud Abandon  Monament Notice  Fracture Treat  Reclamation  Recomplete  Spud Abandon  Recomplete  Spud Abandon  Recomplete  Spud Notice of Temporarily Abandon  Water Disposal  Other Spud Abandon  Approval of the Band No. on 616 with BLMSIA. Required subsequent report all left field once astrong has been completed. Find Information Subsequent report all left field once astrong has been completed. Find Information Subsequent report and the field once astrong has been completed. Find Information Subsequent report and the field once astrong has been completed. Find Information Subsequent report and the field once astrong has been completed. Find Information Subsequent report and the field once astrong has been completed. Find Information Subsequent report and the size is ready for the subsequent report and the field once astrong has been completed. Find Information Subsequent report and the size is ready. Find Information Subsequent report and the field once astrong has been completed. Find Information Subsequent report and the size is ready. Find Information Subsequent report and the size is ready. Find Information Subsequent report and the size is ready. Find Information Subsequent report and the size is ready. Find Information Subsequent report and the size is re	Oil Well Gas Well	Other			J	
As Address Route 3 Box 3500   3b. Phone No. (Include are code)   4301332817	. Name of Operator NEWFIELD PRODUCTION CO	MPANY				RAL 14-23-9-13
Location of Well   Footage, Sec. T. R., M., or Survey Descriptions    Monument Butte   II. County or Parish, State   Duchesne, UT	a. Address Route 3 Box 3630			code)	4301332817	
December   Country or Parish, State   Duchesine, UT		T. D. 14 Common Description				
12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA  TYPE OF SUBMISSION    Notice of Intent		., 1., K., M., or Survey Description	<i>y</i>			
TYPE OF SUBMISSION    Acidize		5E			Duchesne,UT	
TYPE OF SUBMISSION    Acidize	12. CHECK	APPROPRIATE BOX(ES	) TO INIDICATE NA	TURE OF N	OTICE, OR OT	HER DATA
Notice of Intent						
proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true verifies the work will be performed or provide the Bond No. on file with BLMSIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion for recompletion in a new interval, a Form 316-04 shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)  On 6/28/06 MIRU NDSI NS #1.Spud well @ 1:00 PM. Drilll 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 322.34'. On 7/2/06 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yelld. Returned 4 bbls cement to pit. WOC.  Title  Don Bastian  Date  07/03/2006  Title  Date  07/03/2006  Title  Date  Office  Office  Office  Office  Office  Office  Office  Title  Date  Office  Office  Office  Office  Office  Office	■ Notice of Intent  Subsequent Report	Alter Casing Casing Repair Change Plans	Fracture Treat  New Construction  Plug & Abandon	Reclamat Recomple Temporar	ion ete ily Abandon	Well Integrity Other
Don Bastian  Date 07/03/2006  Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  Title Date  Office  Office	csan. Set @ 322.34'. On 7	1/2/06 cement with 160 sks	of class "G" w/ 3% Cat	le with air mis CL2 + 1/4# s	tt. TIH W/ 7 Jt's k Cello- Flake N	8 5/8" J-55 24 # flixed @ 15.8 ppg >
Don Bastian  Date 07/03/2006  Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  Title Date  Office  Office	hereby certify that the foregoing i	s true and correct	Title			
Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or errify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  Title Date  Office	Name (Printed/ Typed)		Drilling Foreman			
Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  Title Date  Office	Signature					
Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  Title Date  Office	Von Dast	ion	07/03/2006			
Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Lighted C. I.V.E.		CHRESPACERO	Port the RITE NEW TORK TORK			A Land Control
Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Lighted C. I.V.E.			Titla		Da	.te
File 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Ligited C	ertify that the applicant holds legal or e	equitable title to those rights in the subje	arrant or			
	Title 18 U.S.C. Section 1001 and Title 4	3 U.S.C. Section 1212, make it a crime	for any person knowingly and	willfully to make to	any department or ag	gency of the Haite CEIVE

(Instructions on reverse)

JUL 07 2006

### **NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

		***	<u>8 5/8</u>	CASING SET	AT	322.34	-		
LAST CASIN	IG <u>8 5/8</u> "	SET A	AT 322.34'		OPERATOR	₹	NewField	Production	Company
DATUM 12' KB		···	WELL		Ashley Fe	deral 14-23-	9-15		
DATUM TO	CUT OFF C	ASING _					Monumen		
DATUM TO	BRADENHE	AD FLANGE			CONTRACT	FOR & RIG#	# <u></u> _	NDSI NS#1	
TD DRILLER	320'	LOGGE	ER						
HOLE SIZE	12 1/4								
LOG OF CAS	SING STRIN	IG:							
PIECES	OD	T	MAKE - DESC	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
		Shoe	Joint 44.40'						
		WHI - 92 cs	g head				8rd_	Α	0.95
7	8 5/8"	Maverick ST	&C csg		24#	J-55	8rd	Α	310.49
			GUIDE	shoe			8rd	Α	0.9
CASING INV	ENTORY B	AL.	FEET	JTS	TOTAL LEN	IGTH OF ST	RING		312.34
TOTAL LEN	GTH OF STI	RING	312.34	7	LESS CUT	OFF PIECE			2
LESS NON	CSG. ITEMS		1.85		PLUS DAT	JM TO T/CU	T OFF CSG		12
PLUS FULL	JTS. LEFT (	DUT	0		CASING SE	T DEPTH			322.34
	TOTAL		310.49	7					
TOTAL CSG	. DEL. (W/O	THRDS)_	310.49	7	COMPARE				
TIMING			1ST STAGE						
BEGIN RUN	CSG.	Spud	6/28/2006	1:00PM	GOOD CIR	C THRU JO	В	Yes	
CSG. IN HO	LE		6/29/2006	1:00PM			RFACE		
BEGIN CIRC	:		7/2/2006	9:22am	RECIPROC	ATED PIPE	FOR	THRU	FT STROKE
BEGIN PUM	P CMT		7/2/2006	9:34am	_			N/A	
BEGIN DSP	L. CMT		7/2/2006	9:44am	BUMPED P	LUG TO _		110	PSI
PLUG DOW	N		7/2/2006	9:52am					
CEMENT US	SED			CEMENT CO	MPANY-	B. J.			
STAGE	# SX	ļ		CEMENT TY					
1	160	Class "G" w	/ 2% CaCL2 +	1/4#/sk Cello-	Flake mixed (	@ 15.8 ppg	1.17 cf/sk yie	ld	
		ļ	·						
	<u> </u>			T					
CENTRALIZ	ER & SCRA	TCHER PLA	CEMENT	L		SHOW MA	KE & SPACI	NG	
Centralizers	s - Middle f	rst, top seco	ond & third for	r 3					
		<del></del>			<u></u>				
			B B	_			האדר	7/2/2006	
COMPANY I	REPRESEN	TATIVE	Don Bastiaı	<u>n</u>			_ DATE	1/2/2000	<u> </u>

RECEIVED
JUL 07 2006

FORM 3160-5 (September 2001)

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires January 31,2004

5. Lease Serial No.

(mu-60185

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.					6. If Indian, Allottee or Tribe Name.		
	RIPLICATE - Other In	structions on rever <del>se</del> s		If Unit or CA/As	greement, Name and/or		
1. Type of Well  Oil Well Gas Well	Other			Well Name and			
2. Name of Operator			<u> </u>	SHLEY 14-23-9	-15		
NEWFIELD PRODUCTION CO 3a. Address Route 3 Box 3630	OMPANY	3b. Phone (include as		API Well No. 301332817			
Myton, UT 84052		435,646,3721			or Exploratory Area		
	Sec., T., R., M., or Survey Desc		<u> </u>	MONUMENT B County or Paris			
SESW Section 23 T9S R15E				, UT			
12. CHECK	APPROPRIATE BOX(	ES) TO INIDICATE N	ATURE OF NOT	ICE, OR OT	HER DATA		
TYPE OF SUBMISSION		TY	PE OF ACTION				
Notice of Intent Subsequent Report Final Abandonment	Acidize Alter Casing Casing Repair Change Plans Convert to	Deepen Fracture Treat New Construction Plug & Abandon Plug Back	Production(S Reclamation Recomplete Temporarily Water Dispos	Abandon	Water Shut-Off Well Integrity Other Variance		
inspection.)  Newfield Production Contanks to be equipped with formation, which are relaseparator to maximize gan Newfield is requesting a a surge of gas when the as well as risk a fire haza	n Enardo or equivalent vertively low gas producers as separation and sales.  Variance for safety reaso thief hatches are open. V	ent line valves. Newfield (20 mcfpd). The majorit ns. Crude oil production Vhile gauging tanks, lea tions	operates wells the  of the wells are  tanks equipped w  se operators will b	at produce fro equipped with rith back pres e subject to b	m the Green River a three phase sure devices will emit		
	CON SAN NO.		Accepted b Utah Divisi Dil, Gas and	[Ailting 23	Federal Approval Of This Action Is Necessary		
I hereby certify that the foregoing is correct (Printed/ Typed)  Mandie Crozid	s true and	Title  Regulatory S  Date	pecialist				
Signature	10340	08/10/2006					
	CTHIS SPACE	FOR FEDERAL OR S	TATE OFFICE	USE			
Approved by	hed. Approval of this notice does r	Title		Dat	DEOEN/ED		
certify that the applicant holds legal or ewhich would entitle the applicant to con.  Title 18 U.S.C. Section 1001 and Title 4	duct operations thereon.			y department or ag	RECEIVED		

States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

FORM 3160-5 (September 2001)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires January 31,2004

	SUNDRY N	OTICES AN	ID REPORT	S ON WELLS	
	o not use this	form for pro	posals to dri	il or to re-enter	an
at	andoned well.	Use Form 3	160-3 (APD)	for such propos	sals

5.	Lease Se	rial No.	6	6	18	5
6	If Indian	Allottee	or Tri	he N	ame	

Do not use the abandoned we	6. If Indian, All	6. If Indian, Allottee or Tribe Name.			
Compression	erene Arte Cimér (m.				/Agreement, Name and/or
1. Type of Well	ting states of the ball of the state of the	and Market and Market of Market in Landie	žimostopii (18 kritisti) is a	ASHLEY PA	Α
	Other			8. Well Name a	nd No.
2. Name of Operator				ASHLEY 14-2	23-9-15
NEWFIELD PRODUCTION CO	MPANY			9. API Well No	•
3a. Address Route 3 Box 3630		3b. Phone (incl	ude are code)		
Myton, UT 84052		435.646.3721			ool, or Exploratory Area
4. Location of Well (Footage, S	Sec., T., R., M., or Survey Descri	ption)		MONUMENT	
				11. County or P	
SESW Section 23 T9S R15E				UT Du	chesne
12. CHECK	APPROPRIATE BOX(E	S) TO INIDICAT	TE NATUF	E OF NOTICE, OR C	OTHER DATA
TYPE OF SUBMISSION			TYPE OF	ACTION	
	Acidize	☐ Deepen		Production(Start/Resume)	☐ Water Shut-Off
☐ Notice of Intent	☐ Alter Casing	Fracture Treat		Reclamation	Well Integrity
Subsequent Report	Casing Repair	New Construct	tion 🔲	Recomplete	Other
	Change Plans	Plug & Aband	on 🔲	Temporarily Abandon	Weekly Status Report
Final Abandonment	Convert to	Plug Back		Water Disposal	
8.625 csgn to 1,500 psi. \ out cement & shoe. Drill a Dig/SP/GR log's TD to su KB. Cement with 305sks	rson Rig # 155. Set all equivernal BLM field, & Roose a 7.875 hole with fresh water and the PU & TIH with Guid cement mixed @ 11.0 ppg wn Bop's. Drop slips @ 80	velt DOGM office ter to a depth of 5 le shoe, shoe jt, fl g & 3.43 yld. The 4	was notife ,930'. Lay oat collar, 1 452 sks cer	d of test. PU BHA and down drill string & BHA l35 jt's of 5.5 J-55, 15. nent mixed @ 14.4 pp	tag cement @ 275'. Drill Open hole log w/ 5# csgn. Set @ 5917.90' / g & 1.24 yld. With 15 bbls
I hereby certify that the foregoing is correct (Printed/ Typed)  Troy Zufelt Signature	true and	Title Date			
John	/ Janu	07/11/2	006		
Annual by		A STATE OF THE STA	Title	l Y	Date
Approved by  Conditions of approval, if any, are attach	ed. Approval of this notice does not quitable title to those rights in the sub	warrant or	Office		

which would entitle the applicant to conduct operations thereon. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United

States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

#### **NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

			5 1/2"	CASING SET	AT	5917.9			
					Flt clir @	5898.05			
LAST CASIN	NG 8 5/8"	SET	AT 322.34'		OPERATOR	₹	Newfield I	Production (	ompany
DATUM	12' KB				WELL	Ashley Fe	deral 14-23	-9-15	
DATUM TO	CUT OFF CA	ASING _	12'		FIELD/PRO	SPECT	Monumen	t Butte	
DATUM TO	BRADENHE	AD FLANGE			CONTRACT	OR & RIG#		Patterson-L	ITI Rig # 155
TD DRILLER	5930'	LOGGI	ER 59 <u>30'</u>	<u>.                                    </u>					
HOLE SIZE	7 7/8"								
			,						
LOG OF CA	SING STRIN	G:						·	
PIECES	OD	ITEM -	MAKE - DESCI	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt							14
		Short jt	6.03 @ 3912.2	27					
134	5 1/2"	ETC LT & C	casing		15.5#	J-55	8rd	Α	5884.05
									0.6
1	5 1/2"	ETC LT&C	<del></del>		15.5#	J-55	8rd	Α	20.6
	<u></u>	<u> </u>	GUIDE	shoe			8rd	A	0.65
CASING INVENTORY BAL. FEET				JTS	TOTAL LEN	5919.9			
TOTAL LENGTH OF STRING 59				135	LESS CUT	OFF PIECE			14
LESS NON CSG. ITEMS 15.2					PLUS DATU	JM TO T/CUT	OFF CSG		12
PLUS FULL	JTS. LEFT (	DUT	169.81	4	CASING SET DEPTH 59				5917.9
	TOTAL		6074.46	139	ן				
TOTAL CSG	. DEL. (W/O	THRDS)	6074.46	139	COMPAR	RE			
TIMING			1ST STAGE	2nd STAGE					
BEGIN RUN	CSG.		9:00 AM	7/10/2006	GOOD CIRC	THRU JOB		YES	
CSG. IN HO	LE		12:00 PM	7/10/2006	Bbls CMT C	IRC TO SUR	FACE	15	
BEGIN CIRC	;		12:00 PM	7/10/2006	RECIPROCA	ATED PIPE I	FOR	THRUSTRON	<u>(E_</u>
BEGIN PUM	P CMT		1:50 PM	7/10/2006	DID BACK F	PRES. VALVI	E HOLD? _	YES	
BEGIN DSPI	CMT		2:40 PM	7/10/2006	BUMPED PI	LUG TO	1600		PSI
PLUG DOW	N		3:03 PM	7/10/2006					
CEMENT US	ED			CEMENT COM	MPANY-	B. J.			
STAGE	# SX			CEMENT TYP	E & ADDITIV	/ES			
1	305	Premlite II w/ 10% gel + 3 % KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/2#'s/sk Cello Flake							
		mixed @ 11	.0 ppg W / 3.43	3 cf/sk yield		<u>.</u>			
2	452	50/50 poz V	V/ 2% Gel + 3%	KCL, .5%EC1	,1/4# sk C.F.	2% gel. 3%	SM mixed @	14.4 ppg W/	1.24 YLD
CENTRALIZ	ER & SCRA	TCHER PLA	CEMENT			SHOW MAK	E & SPACII	1G	
Centralizers	s - Middle fi	rst, top seco	ond & third. Th	nen every thir	d collar for a	a total of 20	•		

COMPANY REPRESENTATIVE	Trov Zufelt	DATI	E _	7/10/2006
COM ANT INCI INCOLITIONITY	TIOT BUILT			

FORM 3160-5 (September 2001)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires January 31,2004

SUNDRY	NOTICES AND REPO	RTS ON WELLS			
Do not use t abandoned w	his form for proposals to ell. Use Form 3160-3 (AP	D) for such propo	OIL, GAS & M	Mindian, Allot	tee or Tribe Name.
Lawson or Built in a	territor of the verification and	Egitte gare von der	€4 (g.5±1+1)	7. If Unit or CA/A	Agreement, Name and/or
	In the same of	arantang tiliketing daga .		ASHLEY PA A	
1. Type of Well	¬			0 11 11 11	131
Oil Well Gas Well	Other			8. Well Name and ASHLEY 14-23	
2. Name of Operator NEWFIELD PRODUCTION CO	OMPANY			9. API Well No.	
3a. Address Route 3 Box 3630		3b. Phone (include	e are code)	4301332817	
Myton, UT 84052		435.646.3721		10. Field and Poo	l, or Exploratory Area
	Sec., T., R., M., or Survey Descrip	otion)		MONUMENT E	
751 FSL 1957 FWL				11. County of Par	isii, state
SESW Section 23 T9S R15E				, UT	
12. CHECK	APPROPRIATE BOX(E	S) TO INIDICATE	NATURE OF N	OTICE, OR OT	THER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
_	☐ Acidize	Deepen	Production	on(Start/Resume)	■ Water Shut-Off
☐ Notice of Intent	Alter Casing	Fracture Treat	Reclamat	tion	Well Integrity
Subsequent Report	Casing Repair	New Constructio			X Other
	Change Plans	Plug & Abandon		rily Abandon	Weekly Status Report
Final Abandonment	Convert to	Plug Back	☐ Water Di	sposal	
Subject well had complet the well. A cement bond with 20/40 mesh sand. Po #3 (4814'-4824'); Stage # flow-through frac plugs well on 08-03-2006. Bride	tion procedures intiated in the log was run and a total of freeforated intervals are as for the (4706'-4713'), (4678'-468') are used between stages, ge plugs were drilled out arp was run in well on sucker	ive Green River into ollows: Stage #1 (5 85'); Stage #5 (4566 Fracs were flowed ad well was cleaned	ervals were perfor 765'-5777'); Stage '-4583'). All perfo back through cho I to 5896'. Zones	ated and hydrau e #2 (5368'-5374 rations, were 4 kes. A service ri were swab teste	ulically fracture treated 4'),(5138'-5156');Stage JSPF. Composite ig was moved over the ed for sand cleanup. A
I hereby certify that the foregoing is	s true and	Title			
correct (Printed/ Typed)	) /	Productio	n Clerk		
Lana Nebeker Signature		Date	Clork		
TAMA YUS	Kell	10/05/200	6		
	i i na strych iki	Marie De River ex	OF STRUCK	\$ 1.4P.	
Berthall Berthall and Berthall	The second secon		:41 -		ta
Approved by Conditions of approval, if any, are attach	and Americal of this notice does not		itle	Da	uc.
Conditions of approval, it any, are attach certify that the applicant holds legal or ea which would entitle the applicant to cond	quitable title to those rights in the sub	ject lease C	ffice		
Title 18 U.S.C. Section 1001 and Title 4	3 U.S.C. Section 1212, make it a crim	e for any person knowingly	and willfully to make to	any department or ag	gency of the United

States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction (Instructions on reverse)

FORM 3160-4 (July 1992)

SUBMIT IN DUPLICATE\* FORM APPROVED

structions ons reverse side)

Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

#### (See other in-OMB NO. 1004-0137

**UNITED STATES DEPARTMENT OF THE INTERIOR** 

		BURE	AU OF	LAND I	MANAGEM	ENT						66185	
WELL	COMPL	ETION	OR RE	COM	PLETION	REP	ORT A	ND LOG*	,	6. IF INDIAN.		DR TRIBE NAME IA	
a. TYPE OF WORK	-									7. UNIT AGRI			
		OIL WELL	X	GAS WELL	DRY		Other				Asl	hley	
b. TYPE OF WELL		WILL					•						
		1 1	_	ы Г					1	8. FARM OR I	JEASE NAMI	E. WELL NO.	
NEW X	WORK OVER	DEEPEN		PLUG BACK	DIFF RESVR.		Other			Ash	ey Fede	ral 14-23-9-15	5
2. NAME OF OPERATOR	**	·	<u> </u>							9. WELL NO.			
	THAT I'V	Ne	wfield E	xplorati	on Compan	ıy				10. FIELD ANI		3-32817	
S. ADDRESS AND TELEP		401 17th	St. Suit	e 1000	Denver, C	O 8020	2		İ	10. 111.1.12 /4(8)		ent Butte	
LOCATION OF WE		tions clearly a	nd in accord	lance with a	ny State requirem	ents.*)						OCK AND SURVEY	
At Surface		763'	FSL & 19	60' FWL	(SE/SW) Sec.	. 23, T9S	, R15E			OR AREA		FOC D45E	
At top prod. Interval rep	oorted below								-		ec. 23,	Г9S, R15E	
At total double			Г	14. API NO.	<del>(_</del>	D	ATE ISSUED			2. COUNTY C	R PARISH	13. STATE	
At total depth					013-32817	- 1 "		6/16/05	ľ		nesne	UT	
5. DATE SPUDDED	16. DATE T.D. I		17. DAT		Ready to prod.)	18. E1.		DE, RKB, RT, GR, E	TC.)*	6394' KI		19. ELEV. CASINGII	EAD
06/28/06 20. TOTAL DEPTH, MD &		09/06 21. PLUG BAG	T TD AUD		09/06 22. IE MULTII	DLE COMPL	6382	23. INTERVALS		RY TOOLS	2 1	CABLE TOOLS	
29, 101AL DEPTH, MD &	: 170	21. 14.00 BAC	K 1.D., MID 6	C (VI)	HOW MAI			DRILLED BY	1		{		
5930'	-		5896'					>		X			
24. PRODUCING INTERV	AL(S), OF THIS (	COMPLETION-										25. WAS DIRECTION SURVEY MADE	AAL
			(	Green F	River 4566	6'-5777	,					No	
26. TYPE ELECTRIC AND	OTHER LOGS E	IIIN			· · · · · · · · · · · · · · · · · · ·						1	27. WAS WELL COR	
Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Cal				GR, Caliper	, Ceme	nt Bond	Log	No					
23.					G RECORD (Re						I		
CASING SIZE (	JRADE <b>1-55</b>	WEIGHT.			H SET (MD) 322'	110L	E SIZE • <b>1/4"</b>	To surface		SX Class "		AMOUNT PULI	.0.17
5-1/2" - J		15.					7/8"	305 sx Prem					
0 172		1,0	<del>""</del>										
29.	· · · · · · · · · · · · · · · · · · ·	LIN	ER RECOR	RD			***	30.		UBING RE	-		
SIZE	TOP (	MD)	BOTTO	M (MD)	SACKS CEMEN	Γ* SCF	EEN (MD)	2-7/8"		EOT @	D)	PACKER SET () TA @	(1D)
								2-110		5811	1	5743	
31. PERFORATION REC	ORD (Interval. s	ize and number	)		*****	32.		ACID, SHOT	, FRACTU	RE, CEMEI	NT SQUEE	ZE, ETC.	
	ERVAL		<u>S12</u>		SPF/NUMBE	CR	DEPTH INTE					MATERIAL USED	
		) 5765'-77'	.40		4/48		5765'-					nd in 376 bbls f	
		5368'-5374	4:		4/24		5368'-					nd in 303 bbls f	
		138'-5156'	.4:		4/72		5138'-					nd in 601 bbls f	
		814'-4824'	.4:		4/40		4814'-					nd in 315 bbls f	
(C, D3) 4	706'-4713', 4		.4:		4/24		4706'-					nd in 451 bbls f	
	(D1) 4	566'-4583'	.43	3"	4/68		4566'-	4583	Frac w	/ 1/6,650#	20/40 sa	nd in 1162 bbls	fluid
						<del> </del>			<u> </u>				
22.4					PROD	UCTION			L				
33.* DATE FIRST PRODUCTIO	200	LPRODUCTIO	N METHOD (	(Flowing, gas	lift, pumpingsize a		nip)			Ĭ		VIUS (Producing or sl	hut-in)
08/09/0		]			1-1/2" x 14'							RODUCING	
DATE OF IEST	HOU	RS TESTED	CHOKE	SIZE	PROD'N, FOR TEST PERIOD	OILBBLS.		GASMCF.	WATER	RBBL.		GAS-OIL RATIO	
30 day av	e				>	1	38	354	- [	12		2565	
LOW, TUBING PRESS.		ING PRESSURI			OIL-BBL		GASMCL		W.VII-R	BBL.	OIL GRAVII	Y- XPI (CORR.)	
			24-HOU			ı			1				
84. DISPOSITION OF GAS			<u>l</u>	>				11°	1	II ST WIINES	SED BY		-
sa, DISPOSITION OF GAS	s (Sold, used for h	ier, vented, etc.)	Sold 8	& Used	for Fuel			-					
35. LIST OF ATTACHME	NIS.								11-Ct	IVED	,		
					44 AND .				CED 7	0 2005			
36 Thereby centry that	the foregoing a	nd an <b>j</b> eh <b>y</b> d in	iormation is	complete a	r dicorrect as deter	oningé tro	a" avilusl	C. C. C. C.		0 2006		C.14 F 000	· C.
W1 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MM	LAIK						nduction C!		1111 0 0 1	UNIC	6:15.200	£
	1	1		and a service of the	and the control of th	endedeedde syfee on a contrator		DIV. C	IF UIL, G	SAS & MIN	IING		

recoveries); FORMATION TOP BOTTOM			DESCRIPTION, CONTENTS, ETC.	<u> </u>	TOP		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTI	
			Well Name Ashley Federal 14-23-9-15	Garden Gulch Mkr Garden Gulch 1	3542' 3749'		
				Garden Gulch 2 Point 3 Mkr	3862' 4102'		
				X Mkr Y-Mkr	4366' 4400'		
				Douglas Creek Mkr BiCarbonate Mkr B Limestone Mkr	4504' 4741' 4834'		
				Castle Peak Basal Carbonate Total Depth (LOGGERS	5859'		
				Total Deptil (LOGGERS	3930		
						-	

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
<b>ENTITY ACTION FORM -FORM 6</b>

OPERATOR: NEWFIELD PRODUCTION COMPANY

ADDRESS: RT. 3 BOX 3630

MYTON, UT 84052

N2695 OPERATOR ACCT. NO.

	T	NEW	API NUMBER	WELL NAME			WELL IS	CATION		SPUD	EFFECTIVE
	CURRENT ENTITY NO.	ENTITY NO.	- CARDINGON		00	SC	TP	RG	СОУЛИТУ	DATE	CATE
	15479	12419	43-013-32817	ASHLEY FEDERAL 14-23-9-15	SEJSW	23	95	15E	DUCHESNE	<u>,,,</u>	11/20/04
1 COM	BLM	APPROVE	D PARTICIPATIN	G AREA EXPANSION EFFECTIVE	VE 7/1	/2006	. G	RRV			•
DN	CURRENT	NEW	APIRIMIBER .	WELL NAME			MELLLOCATI			SPUD DATE	EFFECTIVE DATE
E	ENTITY NO.	ENTITY NO.			QQ.	I IC	TP	<b>S</b> AG	COUNTY	MALE	. 7
: ]	15579	12419	43-013-32823	ASHLEY FEDERAL 14-22-9-15	SE/SW	22	98	15E	DUCHESNE		11/20/0
	BLM	APPROVI	ED PARTICIPATIN	IG AREA EXPANSION EFFECTI	VE 7/1	/2006	. G	RRV			
MOI	CURRENT	NEW	AT NUMBER	WELL NAME	90	SC	TP	NUTACO.	COURTY	SPJD DATE	EFFECTIVE
OE	ENTITY NO.	ENTITY NO.			<del>  "</del>		<del>  "</del>		1	17712	11/20/2
	15374	12419	43-013-32822	ASHLEY FEDERAL 13-22-9-15	SWIST	22	98	15E	DUCHESNE		11/20/0
RON	CLERENT ENTITY #10.	NEW ENTITY NO.	API NUMBER	WELLIMME	QQ	. sc	WELL	LOCATION	COUNTY	SPUD DATE	EFFECTIME DATE
C	15443	12419	43-013-32827	ASHLEY FEDERAL 6-23-9-15	SEISM		95	15E	DUCHESNE		11/20/0
	BLN	APPROV		NG AREA EXPANSION EFFECTI	VE 7/1	/2006		RRV		\$PUD	EFFECTIVE.
HOIT	CURRENT ENTITY NO.	ENTITY NO.	API NUMBER	WELL NAME	- 00	sc	TP	LOCATION RG	COUNTY	DATE	DATE
c	15409	12419	43-013-32831	ASHLEY FEDERAL 15-23-9-15	SWISI	23_	98	15E	DUCHESNE		11/20/0
	AM HENRY:		ED PARTICIPATI	NG AREA EXPANSION EFFECTI	VE 7/1	/2006	5. (	GRRV			,
CTION	CURRENT ENTITY NO.	HEW ENTRY NO.	APINUMBER	WELL WANE	00	sc	WELL 1P	LOCATION	COUNTY	SPUD DAVE	EFFECTIVE DATE
C	15436	12419	43-013-32829	ASHLEY FEDERAL 11-23-9-15	NEJSY	y 23	98	15E	DUCHESNE		11/30/6
	CAMENTS			NG AREA EXPANSION EFFECT	VE 7/1	./200	6. (	GRRV	6	111	
A- B-	Establish raw end Add more well to so	ellers as beck of form ly for sow well fairgle during stilly (group at	r sell criff)	-	CEIV				Jana I	Eleles	Lana Ne
		an ene existing selly ( an ene existing selly)	ke amether existing mulity in a mear-easily	NO	V 162	006		V	Production Clea	rk	NOVEMBER 13,



### **United States Department of the Interior**



BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov

IN REPLY REFER TO: 3180 UT-922

NOV 0 6 2006

Newfield Exploration Company Attn: Laurie Deseau 1401 Seventeenth Street, Suite 1000 Denver, CO 80202

> Re: Initial Consolidated Green River Formation PA "A, B" Ashley Unit Duchesne County, Utah

The Initial consolidated Green River Formation "A, B" Ashley Unit, CRS UTU73520C, is hereby approved effective as of July 1, 2006, pursuant to Section 11 of the Ashley Unit Agreement, Duchesne County, Utah.

The Initial Consolidated Green River Formation PA "A, B" results in the Initial Participating Area of 6,710.49 acres, and is based upon the completion of the following wells as being capable of producing unitized substances in paying quantities:

WELL NO.	APINO.	LOCATION -	LEASE NO.
13-22	43-013-32822	Lot 4, 22-9S-15E	UTU66185
14-22	43-013-32823	SESW, 22-9S-15E	UTU66185
15-23	43-013-32831	SWSE, 23-9S-15E	UTU66185
11-23	43-013-32829	NESW, 23-9S-15E	UTU66185
6-23	43-013-32827	SENW, 23-9S-15E	UTU66185
14-23	43-013-32817	SESW, 23-9S-15E	UTU66185
13-24	43-013-32820	SWSW, 24-9S-15E	UTU02458
14-24	43-013-32821	SESW, 24-9S-15E	UTU02458
9-24	43-013-32819	NESE, 24-9S-15E	UTU02458
8-24	43-013-32818	SENE, 24-9S-15E	UTU02458
4-25	43-013-32884	NWNW, 25-9S-15E	UTU66185
4-26	43-013-32900	NWNW, 26-9S-15E	UTU027345
5-26	43-013-32901	SWNW, 26, 9S-15E	UTU66185
12-26	43-013-32905	NWSW, 26, 9S-15E	UTU66185
5-27	43-013-32836	Lot 2, 27, 9S-15E	UTU66185
13-27	43-013-32878	Lot 4, 27, 9S-15E	UTU74827
11-27	43-013-32877	NESW, 27, 9S-15E	UTU748 ECEIVED

NOV 0 8 2006

WELL NO.	TAPINO.	LOCATION	LEASE NO.
14-27	43-013-32879	SESW, 27, 9S-15E	UTU74827
7-27	43-013-32838	SWNE, 27, 9S-15E	UTU66185
10-27	43-013-32876	NWSE, 27, 9S-15E	UTU66185
15-27	43-013-32880	SWSE, 27, 9S-15E	UTU66185
9-27	43-013-32875	NESE, 27, 9S-15E	UTU66185
3-27	43-013-32835	NENW, 27, 9S-15E	UTU66185
2-27	43-013-32834	NWNE, 27, 92-15E	UTU027345

Copies of the approved request are being distributed to the appropriate agencies and one copy is returned herewith. Please advise all interested parties of the approval of the Consolidated Green River PA "A, B", Ashley Unit.

Sincerely,

/s/ Douglas F. Cook

Douglas F. Cook Chief, Branch of Fluid Minerals

bcc: Division of Oil, Gas & Mining

**SITLA** 

Ashley Unit w/enclosure

MMS - Data Management Division (Attn: James Sykes)

Field Manager - Vernal w/enclosure

Agr. Sec. Chron. Central Files

CSeare:cs (11/03/06)Ashley "A, B"Consolidated



### State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER

Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

#### UNDERGROUND INJECTION CONTROL PERMIT

#### Cause No. UIC-381

**Operator:** 

**Newfield Production Company** 

Well:

Ashley Federal 14-23-9-15

Location:

Section 23, Township 9 South, Range 15 East

County:

Duchesne

API No.:

43-013-32817

Well Type:

Enhanced Recovery (waterflood)

#### **Stipulations of Permit Approval**

- 1. Approval for conversion to Injection Well issued on April 19, 2012.
- 2. Maximum Allowable Injection Pressure: 1,509 psig
- 3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
- 4. Injection Interval: Green River Formation (3,925' 5,896')
- 5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

ohn Rogers 6

Associate Director

3/26/14 Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal Jill Loyle, Newfield Production Company, Denver Newfield Production Company, Myton Duchesne County

Well File

N:\O&G Reviewed Docs\ChronFile\UIC





Governor

GREGORY S. BELL

Lieutenant Governor

## State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

April 19, 2012

Newfield Production Company 1001 Seventeenth Street, Suite 2000 Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Ashley Federal 14-23-9-15, Section 23, Township 9 South,

Range 15 East, SLBM, Duchesne County, Utah, API Well # 43-013-32817

#### Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

- 1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
- 2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
- 3. A casing\tubing pressure test shall be conducted prior to commencing injection.
- 4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
- 5. The top of the injection interval shall be limited to a depth no higher than 3,925 feet in the Ashley Federal 14-23-9-15 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely.

fohn Rogers

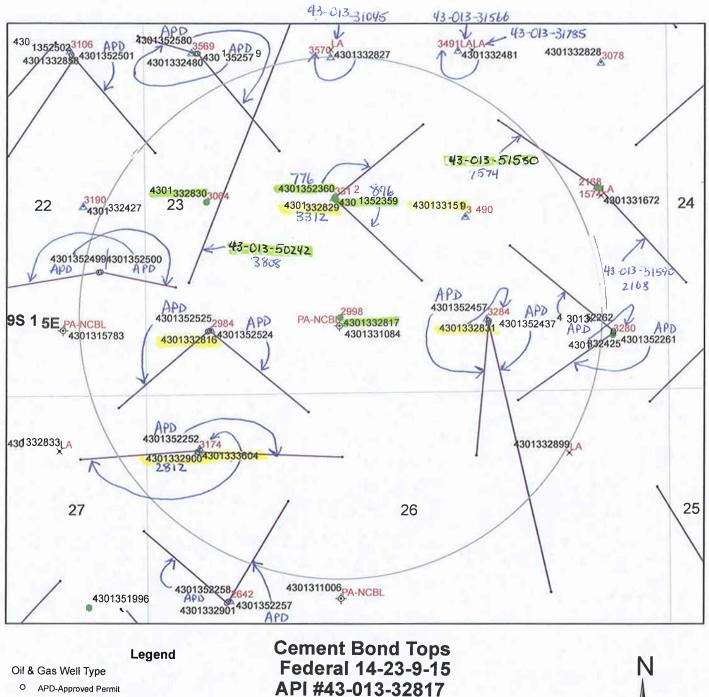
Associate Director

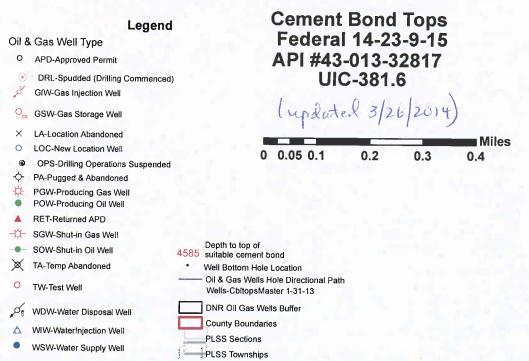
JR/MLR/is

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal **Duchesne County** Newfield Production Company, Myton Well File

N:\O&G Reviewed Docs\ChronFile\UIC







# DIVISION OF OIL, GAS AND MINING UNDERGROUND INJECTION CONTROL PROGRAM PERMIT STATEMENT OF BASIS

Applicant: Newfield Production Company	Well: Ashley Federal 14-23-9-15	
Location: 23/9S/15E	<b>API:</b> 43-013-32817	

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 322 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,918 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,998 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,516 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (3/26/2014), on the basis of surface locations, there are 4 producing wells and 6 injection wells in the AOR. In addition, there is 1 horizontally drilled producing well with a surface location outside the AOR and a bottom hole location inside the AOR and a bottom hole location inside the AOR. One of the injection wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. Finally, there is 1 approved surface location inside the AOR for a directional well to a bottom hole location outside the AOR and another 6 surface locations outside the AOR for bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2200 feet. Injection shall be limited to the interval between 3,925 feet and 5,896 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 14-23-9-15 well is 0.76 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,509 psig. The requested maximum pressure is 1,509 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

# Ashley Federal 14-23-9-15 page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 11/4/2011 (revised 3/26/2014)

#### The Salt Lake Tribune





PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND AD	DRESS	ACCOUNT NUMBER	DATE .
DIV OF OIL-GAS & MINING,	RECEIVED	9001402352	11/7/2011
1594 W NORTH TEMP #1210 P.O. BOX 145801	NOV 1 6 201		
SALT LAKE CITY, UT 84114	DIK OF UIL, GAS & MINING		

ACCOU	NT NAME	A Company of the Comp
DIV OF OIL-G	AS & MINING,	BEFORE THE DIVISION OF OIL GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. III. C381
TELEPHONE	ADORDER# / INVOICE NUMBE	IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUC K TION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 22, AND 23, TOWNSHIP, S
8015385340	0000739594 /	WELLS LOCATED IN SECTIONS 22 AND 23 TOWNSHIP S SOUTH, RANGE 15 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.  THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE DITITLED MATTER.
SCHE	DULE	지수는 전문에 가장 아이들이 되었다. 그 그 수 있는데 이 기가 되는 그리고 있다고 있다.
Start 11/04/2011	End 11/04/2011	Notice is hereby given that the Division of Oil, Gas and Min- ling (the "Division") is commencing an informal adjudicative proceeding to consider the application of NewHeight Produ- tion Company for administrative approval of the following wells located in Duckesne County, Utch, for conversion to Class II Injection wells:
CUST, I	REF. NO.	Greater Monument Butte (hit: Ashley Federal 8-22-9-15 well located in SE/4 NE/4, Section 22, Township 9 South, Range 15 East API 43-013-32858 Ashley Federal 2-23-9-15 well located in NW/4 NE/4, Sec- tion 23, Township 9 South, Range 15 East API 43-013- 32738
Legal Notice		
		Ashley Federal 4-23-9-15 well located in NW/4 NW/4, Section 23. Township 9 South Range 15 Fast API 43-013-
CAP	TION	Ashley Federal 6-22-9-15 well located in SE/4 NW/4, Section 23, Township 9 South, Ronge 15 East API 43-013-32827
CAP BEFORE THE DIVISION OF OIL, GAS AND MI	NING DEPARTMENT OF NATURAL RE	23, Township P South, Ronge 15 6cs AP (43-013-32828 23, Township P South, Ronge 15 6cs AP (43-013-32828 Ashley Federal 18:23-9-15 well located in 3E/4 5W/4, Section 23, Township P South, Ronge 15 Fest API 43-013-32817 Ashley Federal 16:23-7-15 well located in SE/4 5E/4, Sec-
	ZE	Tion 23, township y 300m, Konge 15 East API 43,013-32425 The proceeding will be conducted in accordance with Utah Admin. 8649-10, Administrative Procedures.
68 Lines	2.00 COLUMN	Selected zones in the Green Piver Formation will be used for
TIMES 4 Y	RATE	water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient in- formation submitted by Newfield Production Company.
3		Any person desiring to object to the application or otherwise intervene to the proceeding, must file a written protest or no-like of intervention with the Division within lifteen days following with intervention with the big to be before a Pearling of the setter. The big to Pearling of the setter of the before the setter of the setter of the before the setter of t
MISC, CHARGES	AD CHARGES	cer for the proceeding is Brad Hill, Paraetting Midneger, of P.O. Sox 145801, Soil Loke City, (7, 84114-5801, phone prophysic (801) 538, 5340
		Any person desiring to object to the application or otherwise interview in the proceeding, must file a written packet or notice of intervention with the Division within filteren days (all lowing publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Parmitting Mainager, at P.O. Box 145801, Sait Lake City, UT 84114-3801, blank master (801) 536-5340, it such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Forestants and/or interveness should be prepared to demonstrate at the hearing how this matter affects their interests.
	TOTAL COST	Dated this 1st day of November, 2011. STATE OF UTAH
	175.00	DIVISION OF OIL GAS & MINING Brad Hill

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-381 IN THE MATTER OF THE APPLICA FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

Start 11/04/2011

End 11/04/2011

VIRGINIA CRAFT lotary Public, State of Utah Commission # 581469 My Commission Expires

Journey 12, 2014

SIGNATURE

PUBLISHED ON

11/7/2011

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

20.50/CSE/GE UNCANON (27-12/613

#### AFFIDAVIT OF PUBLICATION

County of Duchesne, STATE OF UTAH

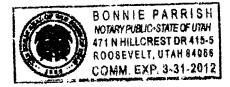
I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for \_\_\_\_\_\_\_ consecutive issues, and that the first publication was on the \_\_\_\_\_\_\_ day of \_\_\_\_\_\_\_\_, 20 \_\_/\_\_\_\_, and that the last publication of such notice was in the issue of such newspaper dated the \_\_\_\_\_\_\_ day of \_\_\_\_\_\_\_\_, 20 \_\_/\_\_\_\_\_, and that said notice was published on Utahlegals. com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Publisher

Subscribed and sworn to before me this

8 day of November, 20 //

Notary Public



NOTICE OF AGENCY ACTION CAUSE NO.

BEFORE THE DIVI-SION OF OIL, GAS AND MINING, DEPART-MENT OF NATURAL RESOURCES, STATE OF UTAH.

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 22 AND 23, TOWNSHIP 9 SOUTH, RANGE 15 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THESTATEOFUTAH
TO ALL PERSONS IN-TERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 8-22-

Last week I men

#### Ostertag Beats o VuD

Also considered running back Altier Tunning back Altier defensive Bob Fuhr forward Shandon Jazz forward Jerry Chan center Mike Sojour center Mike Sojour fans are probably sa fans are probably sa fans are those last two g

onense. He was the student to have his j ber retired. requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their inter-

Dated this 1st day of November, 2011. STATE OF UTAH DIVISION OF OIL, GAS & MINING

Is/
Brad Hill
Permitting Manager
Published inthe Uintah
Basin Standard November 8, 2011.

# BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-381

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 22 AND 23, TOWNSHIP 9 SOUTH, RANGE 15 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

#### **Greater Monument Butte Unit:**

Ashley Federal 8-22-9-15 well located in SE/4 NE/4, Section 22, Township 9 South, Range 15 East API 43-013-32858 Ashley Federal 2-23-9-15 well located in NW/4 NE/4, Section 23, Township 9 South, Range 15 East API 43-013-32735 Ashley Federal 4-23-9-15 well located in NW/4 NW/4, Section 23, Township 9 South, Range 15 East API 43-013-32827 Ashley Federal 8-23-9-15 well located in SE/4 NW/4, Section 23, Township 9 South, Range 15 East API 43-013-32828 Ashley Federal 14-23-9-15 well located in SE/4 SW/4, Section 23, Township 9 South, Range 15 East API 43-013-32817 Ashley Federal 16-23-9-15 well located in SE/4 SE/4, Section 23, Township 9 South, Range 15 East API 43-013-32817 Ashley Federal 16-23-9-15 well located in SE/4 SE/4, Section 23, Township 9 South, Range 15 East API 43-013-32425

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 1st day of November, 2011.

STATE OF UTAH DIVISION OF OIL, GAS & MINING

Brad Hill

**Permitting Manager** 

#### **Newfield Production Company**

# ASHLEY FEDERAL 8-22-9-15, ASHLEY FEDERAL 2-23-9-15, ASHLEY FEDERAL 6-23-9-15 ASHLEY FEDERAL 8-23-9-15, ASHLEY FEDERAL 14-23-9-15 ASHLEY FEDERAL 16-23-9-15

#### Cause No. UIC-381

#### Publication Notices were sent to the following:

Newfield Production Company 1001 17th Street, Suite 2000 Denver, CO 80202

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066 via e-mail ubs@ubstandard.com

Salt Lake Tribune P O Box 45838 Salt Lake City, UT 84145 via e-mail naclegal@mediaoneutah.com

Vernal Office Bureau of Land Management 170 South 500 East Vernal, UT 84078 Duchesne County Planning P O Box 317 Duchesne, UT 84021-0317

Bruce Suchomel US EPA Region 8 MS 8P-W-GW 1595 Wynkoop Street Denver, CO 80202-1129

Newfield Production Company Rt 3 Box 3630 Myton, UT 84052



## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

November 1, 2011

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune P. O. Box 45838 Salt Lake City, UT 84145

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-381

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: <u>isweet@utah.gov</u>.

Please send proof of publication and billing for account #9001402352 to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

**Executive Secretary** 

Enclosure



From:

"Fultz, Mark" <naclegal@mediaoneutah.com>

To: Date: <jsweet@utah.gov>
11/1/2011 11:21 AM
Legal Notice

Subject:

Attachments: OrderConf.pdf

AD# 739594 Run Trib - 11/4 Cost \$175.0 Thank you Mark







Remit to: P.O. Box 704005 West Valley City, UT 84170

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF ACENCY ACTION CAUSE NO. UIC-381

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 22 AND 23, TOWNSHIP 9 SOUTH, RANGE 15 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gos and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Ducherre County, Utah, for conversion to Class II injection wells:

The proceeding will be conducted in accordance with Utah Admin, R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rares will be determised based on fracture gradient information submitted by Newfield Production Company.

Any person destring to object to the application or alterwise interverse in the proceeding, must file a written protest or so-tice of intervention with the Division within fifteer days following publication of this sorte. The Division's Presiding Officer for the proceeding is 8 rad Hill, Permitting Manager, or P.O. 8ox 14 5801, Spine Lack City, UT 84114-5801, plane number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demosstrate at the hearing how this matter affects their interests.

35 ey Federal 4-23-9-15 well located in NW/4 NW/4, Sec-23, Township 9 South, Range 15 East API 43-013-

**Ad Content Proof Actual Size** 

#### Order Confirmation for Ad #0000739594-01

Client

DIV OF OIL-GAS & MINING

**Payor Customer** 

DIV OF OIL-GAS & MINING

**Client Phone** 

801-538-5340

**Payor Phone** 

801-538-5340

Account#

9001402352

**Payor Account** 

9001402352

Address

1594 W NORTH TEMP #1210, P.O. BOX 145801 Payor Address

SALT LAKE CITY, UT 84114 USA

1594 W NORTH TEMP #1210,P.O. BO)

SALT LAKE CITY, UT 84114

Fax

801-359-3940

Ordered By

Acct. Exec

**EMail** 

earlenerussell@utah.gov

Jean

mfultz

**Total Amount** 

\$175.00

Payment Amt

\$0.00

**Tear Sheets Proofs** 

**Affidavits** 

**Amount Due** 

\$175.00 0 0

**Payment Method** 

PO Number

Legal Notice

**Confirmation Notes:** 

Ad Type

Text:

Jean

Ad Size

2.0 X 68 Li

Color <NONE>

**Product** 

Legal Liner

**Placement** 

Legal Liner Notice - 0998

Scheduled Date(s): 11/04/2011

**Product** 

**Placement** 

sltrib.com::

Legal Liner Notice - 0998

Scheduled Date(s):

Salt Lake Tribune::

**Product** utahlegals.com:: **Placement** utahlegals.com

Scheduled Date(s):

11/04/2011

11/04/2011

**Position** 

Public Meeting/Hear-ing Notices

**Position** 

Public Meeting/Hear-ing Notices

**Position** 

utahiegals.com

/<u>s/</u> Brad Hill

Permitting Manager 739594

Dated this 1st day of November, 2011. STATE OF UTAH DIVISION OF OIL, GAS & MINING

LIPAXLE



## State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA Division Director

November 1, 2011

Via e-mail: legals@ubstandard.com

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-381

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: <u>jsweet@utah.gov</u>.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

**Executive Secretary** 

Enclosure



## Jean Sweet - Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-381

From: Cindy Kleinfelter <classifieds@ubstandard.com>

To: Jean Sweet <jsweet@utah.gov>

**Date:** 11/2/2011 3:17 PM

Subject: Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-381

#### On 11/1/2011 10:02 AM, Jean Sweet wrote:

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary Utah Div. of Oil, Gas & Mining 1594 West Temple, Suite 1210 Salt Lake City, UT 801-538-5329 jsweet@utah.gov

Received. Thank you. It will run Nov. 8. Cindy



October 21, 2011

Mr. Mark Reinbold State of Utah Division of Oil, Gas and Mining 1594 W North Temple Salt Lake City, Utah 84114-5801

RE:

Permit Application for Water Injection Well

Ashley Federal #14-23-9-15

Monument Butte Field, Lease #UTU-66185

Section 23-Township 9S-Range 15E

Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Ashley Federal #14-23-9-15 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Eric Sundberg Regulatory Lead

OCT 26 2011

FORM 3160-5 (August 2007)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31,2010

5. Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

7. If Unit or CA/Agreement, Name and/or GMBU

1. Type of Well Oil Well Gas Well ☐ Other 8. Well Name and No. ASHLEY FEDERAL 14-23-9-15 2. Name of Operator NEWFIELD PRODUCTION COMPANY 9. API Well No. 3a. Address Route 3 Box 3630 3b. Phone (include are code) 4301332817 Myton, UT 84052 10. Field and Pool, or Exploratory Area 435.646.3721 (Footage, Sec., T., R., M., or Survey Description) GREATER MB UNIT 4. Location of Well 751 FSL 1957 FWL 11. County or Parish, State SESW Section 23 T9S R15E 12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION TYPE OF ACTION ☐ Water Shut-Off Production (Start/Resume) Acidize Deepen Notice of Intent Reclamation ☐ Well Integrity Alter Casing Fracture Treat Casing Repair **New Construction** Recomplete Other \_ ☐ Subsequent Report Plug & Abandon Temporarily Abandon Change Plans Final Abandonment Water Disposal Convert to Injector Plug Back

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed)	Title	Title	
Jill Lovle	Regulatory Technician		
Signature CO Soul	Date 1/2011		
() () THIS SPA	CE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Title Dat	e RECEWE	

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

# NEWFIELD PRODUCTION COMPANY APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL ASHLEY FEDERAL #14-23-9-15 MONUMENT BUTTE FIELD (GREEN RIVER) FIELD LEASE #UTU-66185 OCTOBER 21, 2011

RECEIVED OCT 26 2011

DIV. OF OIL, GAS & MINING

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LETTER OF INTENT **COVER PAGE** TABLE OF CONTENTS UIC FORM 1 – APPLICATION FOR INJECTION WELL WELLBORE DIAGRAM OF PROPOSED INJECTION WORK PROCEDURE FOR INJECTION CONVERSION COMPLETED RULE R615-5-1 QUESTIONNAIRE **COMPLETED RULE R615-5-2 QUESTIONNAIRE** ONE-HALF MILE RADIUS MAP ATTACHMENT A ATTACHMENT A-1 WELL LOCATION PLAT ATTACHMENT B LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS ATTACHMENT C CERTIFICATION FOR SURFACE OWNER NOTIFICATION ATTACHMENT E WELLBORE DIAGRAM – ASHLEY FEDERAL #14-23-9-15 WELLBORE DIAGRAM – ASHLEY FEDERAL #6-23-9-15 ATTACHMENT E-1 ATTACHMENT E-2 WELLBORE DIAGRAM – ASHLEY FEDERAL #10-23-9-15 **ATTACHMENT E-3** WELLBORE DIAGRAM – ASHLEY FEDERAL #11-23-9-15 ATTACHMENT E-4 WELLBORE DIAGRAM – ASHLEY FEDERAL #12-23-9-15 **ATTACHMENT E-5** WELLBORE DIAGRAM – ASHLEY FEDERAL #13-23-9-15 WELLBORE DIAGRAM – ASHLEY FEDERAL #15-23-9-15 **ATTACHMENT E-6** WELLBORE DIAGRAM – ASHLEY FEDERAL #4-26-9-15 ATTACHMENT E-7 ATTACHMENT F WATER ANALYSIS FRACTURE GRADIENT CALCULATIONS ATTACHMENT G **ATTACHMENT G-1** FRACTURE REPORTS DATED -7/22/06 - 8/10/06ATTACHMENT H WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON **ATTACHMENT H-1** WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

RECEIVED OCT 26 2011

## STATE OF UTAH DIVISION OF OIL, GAS AND MINING

**ADDRESS** 

## **APPLICATION FOR INJECTION WELL - UIC FORM 1**

1001 17th Street, Suite 2000

Denver, Colorado 80202

OPERATOR Newfield Production Company

Well Name and number:	Ashley Fed	hley Federal #14-23-9-15									
Field or Unit name: Monument	Butte (Green	River)		_Lease No.	UTU-6618	35					
Well Location: QQ SESW	section	23	_ township	98	range	15E	county	Duchesne			
Is this application for expansion	of an existing	project? .			. Yes[X]	No [ ]					
Will the proposed well be used f	or:	Disposal?	d Recovery?		. Yes[] N	lo[X]					
Is this application for a new well	to be drilled?				. Yes[] N	lo[X]					
If this application is for an existir has a casing test been perform Date of test:  API number: 43-013-32817		ell? - -			. Yes[ ] !	No [ X ]					
Proposed injection interval: Proposed maximum injection: Proposed injection zone contain mile of the well.	s[x]oil,[]g	as, and/or									
IMPOF	RTANT:		I information ny this form.	•	ed by R615-	5-2 should	:				
List of Attachments:	Attachmen	its "A" thro	ough "H-1"			<del></del>					
I certify that this report is true ar	nd complete to	the best	of my knowle	edge.							
Name: Eric Sundberg			_Signature	-	Lu			_			
Title Regulatory Lead Phone No. (303) 893-0102			Date <del></del>	10/21	711 -			_			
(State use only) Application approved by Approval Date					Title	<u></u>					
Comments:											

OCT 26 2011

DIM OF CIL, GAS & MYTHER

# Ashley Federal 14-23-9-15

Spud Date:06/28/2006 Initial Production: BOPD, Put on Production: 08/09/06 Proposed Injection MCFD, BWPD Wellbore Diagram GL: 6382' KB: 6394' FRAC JOB SURFACE CASING CSG SIZE: 8-5/8" 08-01-06 5765-5777 Frac CPS sands as follows: 24,586# 20/40 sand in 376 bbls Lightning 17 GRADE: J-55 Cement Top @ 270 frac fluid. Treated@ avg press of 2484 psi w/avg rate of 25.3 BPM. ISIP 2415 psi. Calc flush: 5763 gal. Actual flush: 5250 gal. WEIGHT: 24# Casing Shoe @ 322 LENGTH: 7 jts. (310.49') Frac LODC sands as follows: 08-01-06 5368-5374' DEPTH LANDED: 322.34' KB 19,944# 20/40 sand in 303 bbls Lightning 17 frac fluid Treated @ avg press of 2225 psi w/avg rate of 25.1 BPM. ISIP 2230 psi Calc HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf. flush: 5366 gal. Actual flush: 4914 gal. Frac LODC sands as follows: 08-02-06 5138-5156 80,509# 20/40 sand in 601 bbls Lightning 17 frac fluid. Treated @ avg press of 2160 psi w/avg rate of 25.2 BPM. ISIP 2680 psi. Calc flush: 5136 gal. Actual flush: 4620 gal 4814-4824' Frac B2 sands as follows 24,626# 20/40 sand in 315 bbls Lightning 17 PRODUCTION CASING frac fluid. Treated @ avg press of 2157 psi w/avg rate of 25.2 BPM ISIP 1860 psi Calc CSG SIZE: 5-1/2" flush: 4812 gal. Actual flush: 4326 gal. GRADE: J-55 Frac C &D3 sands as follows: 54,787# 20/40 sand in 451 bbls Lightning 17 08-02-06 4706-4685 WEIGHT: 15.5# frac fluid. Treated @ avg press of 1657 p LENGTH: 135 jts. (5904.11') w/avg rate of 25.3 BPM. ISIP 1540 psi. Calc flush: 4704 gal. Actual flush: 4200 gal. DEPTH LANDED: 5917.90' KB 08-04-06 4566-45833 Frac D1 sands as follows: HOLE SIZE: 7-7/8" 176,650# 20/40 sand in 1162 bbls Lightning 17 frac fluid. Treated @ avg press of 1722 psi w/avg rate of 25.2 BPM. ISIP 1860 psi. Calc flush: 4564 gal. Actual flush: 4452 gal CEMENT DATA: 305 sxs Prem. Lite II mixed & 452 sxs 50/50 POZ CEMENT TOP: 270 03/22/07 Pump Change Update rod and tubing details. 7/13/07 02/27/10 Pump change. Update rod & tubing details Parted Rods. Update rod & tubing details SIZE/GRADE/WT 2-7/8" / I-55 NO. OF JOINTS: 181 jts (5731.01') TUBING ANCHOR: 5731 0' KB NO. OF JOINTS: 1 jts (31.80') SEATING NIPPLE: 2-7/8" 1.10 SN LANDED AT: 5765.60' KB NO. OF JOINTS: 1 jts (31.80') TOTAL STRING LENGTH: EOT @ 5799' KB PERFORATION RECORD 07-21-06 5765-5777 4 JSPF 48 holes 08-01-06 5368-5374' 4 JSPF 24 holes Packer @ 4516' 08-01-06 5138-5156 4 JSPF 72 holes 4566-4583 08-02-06 4814-4824' 4 JSPF 40 holes 4678-4685 08-02-06 4706-4713' 4 JSPF 28 holes 4706-4713 08-02-06 4678-4685' 4 ISPF 28 holes 4814-4824 08-02-06 4566-4583' 4 JSPF 5138-5156 5368-5374 5765-5777 NEWFIELD PBTD @ 5896' SHOE @ 5918' Ashley Federal 14-23-9-15 TD @ 5930' 751' FNL & 1957' FWL SE/SW Section 23-T9S-R15E

Duchesne Co, Utah
API #43-013-32817; Lease #UTU-66185

#### WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
- 3. Test casing and packer.
- 4. Rig down and move out.



# REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS RULE R615-5-1

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:
  - 2.1 The name and address of the operator of the project.

Newfield Production Company 1001 17<sup>th</sup> Street, Suite 2000 Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Ashley Federal #14-23-9-15 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

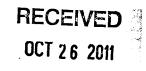
The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Ashley Federal #14-23-9-15 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3925' - 5896'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3542' and the TD is at 5930'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Ashley Federal #14-23-9-15 is on file with the Utah Division of Oil, Gas and Mining.



2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a Federal lease (Lease #UTU-66185) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

# REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS SECTION V – RULE R615-5-2

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

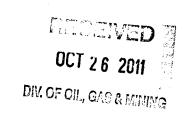
The casing program is 8-5/8", 24# surface casing run to 322' KB, and 5-1/2", 15.5# casing run from surface to 5918' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F.



The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1509 psig.

2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Ashley Federal #14-23-9-15, for existing perforations (4566' - 5777') calculates at 0.76 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1509 psig. We may add additional perforations between 3542' and 5930'. See Attachments G and G-1.

2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Ashley Federal #14-23-9-15, the proposed injection zone (3925' - 5896') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-7.

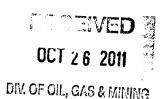
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

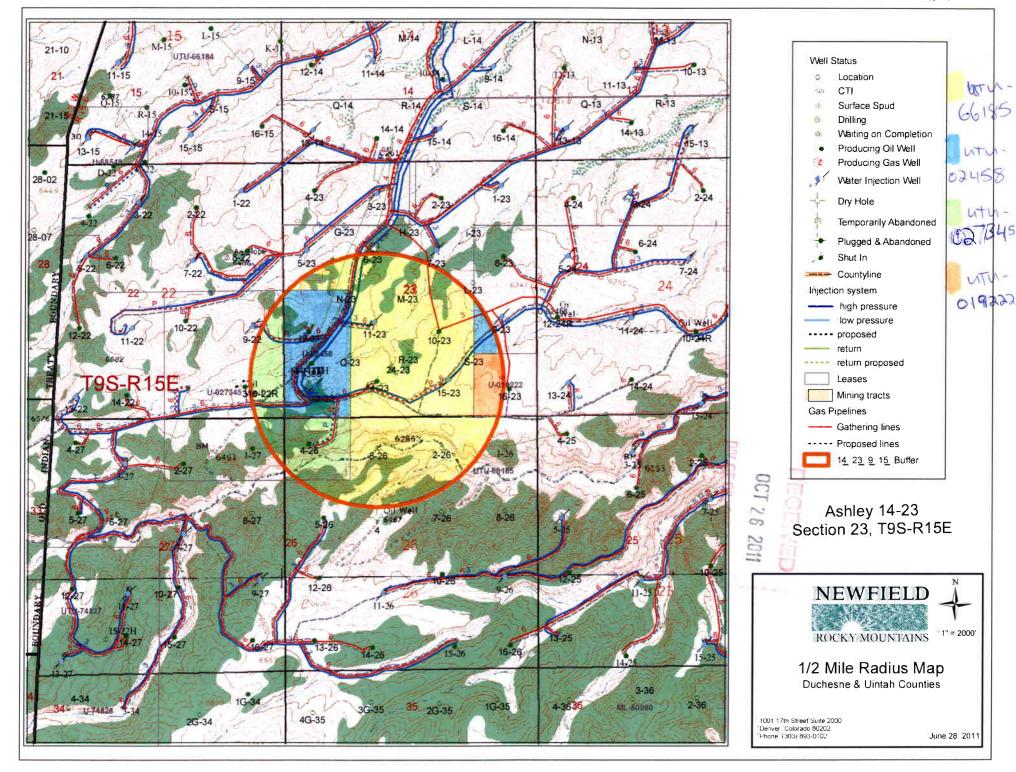
See Attachment C.

2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

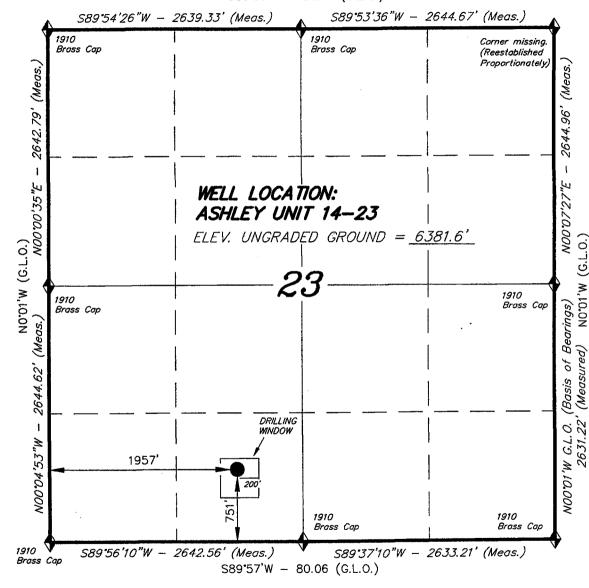


# ATTACHMENT A



# T9S, R15E, S.L.B.&M.

S89'59'W - 80.14 (G.L.O.)





SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, ASHLEY UNIT 14-23, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 23, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH,



N0.01'W

THIS IS TO CERTIFY THAT THE PREPARED FROM FIELD NOTES ACTUAL MADE BY ME OR UNDER THE SAME ARE TRUE AND MY KNOWLEDGE AND BE STACY W.

## TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 5-04-05	DRAWN BY: F.T.M.
NOTES:	FILE #

## **EXHIBIT B**

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R15E SLM Section 22: E2SW, Lots 2-4, Section 23: NENE, W2E2, S2NW, E2SW Section 24: N2N2	USA UTU-66185 HBP	Newfield Production Company Newfield RMI LLC	USA
	Section 25: ALL Section 26: NE, NENW, S2NW, S2 Section 27: S2NE, E2NW, SE, Lots 1,2			
2	T9S-R15E SLM Section 23: SENE, W2SW, NESE Section 24: S2N2, S2	USA UTU-02458 HBP	Newfield Production Company Newfield RMI LLC	USA
3	T9S-R15E SLM Section 22: SE Section 26: NWNW Section 27: N2NE	USA UTU-027345 HBP	Newfield Production Company Newfield RMI LLC	USA
4	T9S-R15E SLM Section 23: SESE	USA UTU-019222 HBP	Newfield Production Company Newfield RMI LLC	USA

OCT 26 2011

DIV OF CIL, SAN & MINING

#### ATTACHMENT C

## CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well Ashley Federal #14-23-9-15

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: Newfield Production Company

Eric Sundberg Regulatory Lead

Sworn to and subscribed before me this 215<sup>th</sup> day of October, 2011

Notary Public in and for the State of Colorado:

My Commission Expires

My Commission Expires: 02/10/2013

DIV. OF CIT., CAS & MUNICIPAL

Attachment E

Ashley Federal 14-23-9-15

**Initial Production:** Spud Date:06/28/2006 MCFD, BWPD Put on Production: 08/09/06 Wellbore Diagram GL: 6382' KB: 6394' FRAC JOB SURFACE CASING Frac CP5 sands as follows: 08-01-06 5765-5777 CSG SIZE: 8-5/8" 24,586# 20/40 sand in 376 bbls Lightning 17 Cement Top @ 270 frac fluid. Treated @ avg press of 2484 psi GRADE: J-55 w/avg rate of 25.3 BPM. ISIP 2415 psi. Calc WEIGHT: 24# Casing Shoe @ 322' flush: 5763 gal. Actual flush: 5250 gal. LENGTH: 7 jts. (310.49') Frac LODC sands as follows: 08-01-06 5368-5374 19,944# 20/40 sand in 303 bbls Lightning 17 DEPTH LANDED: 322.34' KB frac fluid. Treated @ avg press of 2225 psi HOLE SIZE:12-1/4" w/avg rate of 25.1 BPM. ISIP 2230 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf. flush: 5366 gal. Actual flush: 4914 gal. Frac LODC sands as follows: 08-02-06 5138-5156 80,509# 20/40 sand in 601 bbls Lightning 17 frac fluid. Treated @ avg press of 2160 psi w/avg rate of 25.2 BPM ISIP 2680 psi. Calc flush: 5136 gal. Actual flush: 4620 gal Frac B2 sands as follows: 08-02-06 4814-4824 24,626# 20/40 sand in 315 bbls Lightning 17 frac fluid. Treated @ avg press of 2157 psi w/avg rate of 25.2 BPM. ISIP 1860 psi. Calc flush: 4812 gal. Actual flush: 4326 gal. PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55 08-02-06 4706-4685 Frac C &D3 sands as follows: 54,787# 20/40 sand in 451 bbls Lightning 17 frac fluid. Treated @ avg press of 1657 psi WEIGHT: 15.5# LENGTH: 135 jts. (5904.11') w/avg rate of 25.3 BPM. ISIP 1540 psi. Calc flush: 4704 gal. Actual flush: 4200 gal. DEPTH LANDED: 5917.90' KB Frac D1 sands as follows: 08-04-06 4566-45833 176,650# 20/40 sand in 1162 bbls Lightning 17 HOLE SIZE: 7-7/8" frac fluid. Treated @ avg press of 1722 psi w/avg rate of 25.2 BPM. ISIP 1860 psi. Calc CEMENT DATA: 305 sxs Prem. Lite II mixed & 452 sxs 50/50 POZ. flush: 4564 gal. Actual flush: 4452 gal CEMENT TOP: 270' Pump Change. Update rod and tubing details. 03/22/07 Pump change. Update rod & tubing details. 7/13/07 Parted Rods. Update rod & tubing details 02/27/10 TUBING SIZE/GRADE/WT .: 2-7/8" / J-55 NO OF JOINTS: 181 jts (5731.01') TUBING ANCHOR: 5731.0' KB NO. OF JOINTS: 1 jts (31.80') SEATING NIPPLE: 2-7/8" 1:10 SN LANDED AT: 5765.60' KB NO OF JOINTS: 1 jts (31.80') TOTAL STRING LENGTH: EOT @ 5799' KB PERFORATION RECORD 48 holes SUCKER RODS 08-01-06 5368-5374' 4 JSPF 24 holes POLISHED ROD, 1-1/2" x 22' 08-01-06 5138-5156' 4 JSPF 72 holes 4566-4583 SUCKER RODS: 1-8, 1-6', 1-4' & 1-2' x 3/4" ponies, 99-3/4" guided rods, 61-4 JSPF 40 holes 08-02-06 4814-4824' 4678-4685 3/4" sucker rods, 63-3/4" guided rods, 6-1 1/2" weight rods. 4 JSPF 28 holes 08-02-06 4706-4713 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12 x 15' RHAC 4706-47131 08-02-06 4678-4685' 4 JSPF 28 holes 4 JSPF 08-02-06 4566-4583' 4814-4824 STROKE LENGTH 86" PUMP SPEED, SPM: 53 5138-5156 5368-5374 Anchor @ 5743' SN 5778 EOT @ 5799' NEWFIELD PBTD @ 5896' SHOE @ 5918' Ashley Federal 14-23-9-15 TD @ 5930' 751' FNL & 1957' FWL SE/SW Section 23-T9S-R15E

Duchesne Co, Utah

API #43-013-32817; Lease #UTU-66185

# Ashley Federal 6-23-9-15

Put on Production: 08/02/2006

GL: 6327' KB: 6339'

Spud Date: 06/14/2006

Injection Wellbore Diagram

TOC @ 275'

Casing Shoe @ 321

#### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 8 jts. (309.16')

DEPTH LANDED: 321.01' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 135 jts. (5912.51') DEPTH LANDED: (5925.76') KB HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

CEMENT TOP: 275'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 143 jts (4530.7')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4542.7' KB

ON/OFF TOOL AT: 4543.8'

ARROW #1 PACKER CE AT: 4549.07'

XO 2-3/8 x 2-7/8 J-55 AT: 4552.8'

TBG PUP 2-3/8 J-55 AT: 4553.4'

X/N NIPPLE AT: 4557.5'

TOTAL STRING LENGTH: EOT @ 4559.02'

# FRAC JOB 07/28/06 5618-5634 07/28/06 5248-5260' 07/28/06 5129-4997 07/28/06 07/28/06 10/23/06 8-7-08 12/31/2011 12/14/12 12/18/12 SN @ 4543' On Off Tool @ 4544' Packer @ 4549' X/N Nipple @ 4557' EOT @ 4559 4808-4820' 4980-4997 5064-5080' 5129-5144' 5248-5260 5618-5634' PBTD @ 5747' SHOE @ 59263 TD@ 5942'

Frac CP2 sands as follows: 34,075# 20/40 sand in 394 bbls Lightning 17 frac fluid. Treated @ avg press of 1597 psi w/avg rate of 24.9 BPM. ISIP 1675 psi. Calc flush: 5616 gal. Actual flush: 5124 gal Frac LODC sands as follows: 69,111# 20/40 sand in 543 bbls Lightning 17 frac fluid. Treated@ avg press of 2325 psi w/avg rate of 24.7 BPM. ISIP 2450 psi. Calc flush: 5246 gal. Actual flush: 4788 gal. Frac LODC, A3, & A1 sands as follows: 198,857# 20/40 sand in 710 bbls Lightning 17 frac fluid. Treated @ avg press of 2698 psi w/avg rate of 26.7 BPM. ISIP 3150 psi. Calc flush: 5127 gal. Actual flush: 4536 gal. Frac B.5 sands as follows: 4808-4820 33,850# 20/40 sand in 380 bbls Lightning 17 frac fluid. Treated @ avg press of 2084 psi w/avg rate of 24.5 BPM. ISIP 2090 psi. Calc flush: 4806 gal. Actual flush: 4326 gal. 4604-4612 Frac D1 sands as follows: 43,995# 20/40 sand in 375 bbls Lightning 17 frac fluid. Treated @ avg press of 1928 psi w/avg rate of 25.5 BPM. ISIP 2450 psi. Calc flush: 4602 gal. Actual flush: 4536 gal. Pump Change Rod & Tubing detail updated. Pump change. Updated rod & tubing details. Parted Rods. Rod & tubing detail updated. Convert to Injection Well Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

07/28/06 5618-5634' 4 JSPF 64 holes 48 holes 07/28/06 5248-5260' 4 JSPF 07/28/06 5129-5144' 4 JSPF 60 holes 5064-5080' 4 JSPF 64 holes 07/28/06 07/28/06 4980-4997 4 JSPF 68 holes 07/28/06 4808-4820' 4 JSPF 48 holes 07/28/06 4604-4612' 4 JSPF 32 holes

NEWFIELD

Ashley Federal 6-23-9-15

1878' FNL & 1888' FWL SE/NW Section 23-T9S-R15E Duchesne County, Utah API #43-013-32827; Lease #UTU-66185

# Ashley Federal 10-23-9-15

Put on Production: 12/21/1995

GL: 6406' KB: 6420' Injection We

Casing Shoe @ 295

Cement Top@ 2364'

#### SURFACE CASING

Spud Date: 6/7/1995

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (296.05')
DEPTH LANDED: 294.75' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 130 sxs Class "G" cmt.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: K-55 WEIGHT: 15.5# LENGTH: 140 jts. (6047.14') DEPTH LANDED: 6045.48' KB HOLE SIZE: 7-7/8"

CEMENT DATA: 240 sxs HiFill & 333 sxs Class G cmnt. w/10% Calseal.

CEMENT TOP AT: 2364' CBL

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 148 jts (4660.9')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4673.9' KB

ON/OFF TOOL AT: 4675'

ARROW #1 PACKER CE AT: 4681'

XO 2-3/8 x 2-7/8 J-55 AT: 4684'

TBG PUP 2-3/8 J-55 AT: 4684.5'

X/N NIPPLE AT: 4688.7'

TOTAL STRING LENGTH: EOT @ 4690.21'

# NEWFIELD

Ashley Federal 10-23-9-15 1770' FSL & 2026' FEL NW/SE Section 23-T9S-R15E Duchesne Co, Utah API #43-013-31519; Lease #UTU-66185

#### Injection Wellbore Diagram FRAC JOB Frac CP3 sands as follows: 12/7/95 5814'-5822' 54,500# 20/40 sand in 547 bbls Boragel fluid. Treated @ avg press of 2200 psi w/avg rate of 26 BPM, ISIP 2078 psi. Calc flush: 5814 gal. Actual flush: 5747 gal. LDC sands as follows: 12/9/95 5206'-5259' 113,300# 20/40 sand in 31,357 gal. Boragel fluid. ISIP 2445 psi. Calc flush: 5206' gal. Actual flush: 5156 gal. Frac A sands as follows: 12/12/95 4968'-4977' 21,200# 20/40 sand in 12,028 gal. Boragel fluid. ISIP 2291 psi. Calc flush: 4968' gal. Actual flush: 4860 gal. 12/14/95 4884'-4889' Frac B sands as follows: 25,000# 20/40 sand in 287 bbls Boragel fluid. Treated @ avg press of 2060 psi w/avg rate of 18 BPM. ISIP 2354 psi. Calc flush: 4886 gal. Actual flush: 4799 gal. 12/16/95 4740'-4796' Frac C/D sands as follows: 92,600# 20/40 sand in 640 bbls Boragel fluid. Treated @ avg press of 2100 psi w/avg rate of 36 BPM. ISIP 2170 psi. Calc flush: 4740 gal. Actual flush: Tubing Leak. Update tubing and rod detail. 7/29/99 Stuck Pump. Update rod details. 3/2/04 Convert to Injection Well 06/07/13 06/10/13 Conversion MIT Finalized - update tbg detail SN @ 4674' On Off Tool @ 4675' Packer @ 4681' X/N Nipple @ 4689' EOT @ 4690

# PERFORATION RECORD 12/6/95 5814'-5822' 4 JSPF

 12/8/95
 5234'-5259'
 4 JSPF
 44 holes

 12/8/95
 5206'-5218'
 4 JSPF
 92 holes

 12/10/95
 4968'-4977'
 4 JSPF
 36 holes

 12/13/95
 4884'-4889'
 4 JSPF
 20 holes

 12/15/95
 4788'-4796'
 4 JSPF
 32 holes

 12/15/95
 4740'-4756'
 4 JSPF
 64 holes

5814'-5822'

4740'-4756' 4788'-4796'

4884'-4889'

4968'-4977'

5206'-5218' 5234'-5259'

Top of Fill 5939'

PBTD @ 6001'

SHOE @ 6045'

TD@ 6048'

LCN 06/11/13

# Ashley Federal 11-23-9-15

Spud Date:06/08/2006 Put on Production: 07/20/2006

> NE/SW Section 23-T9S-R15E Duchesne Co. Utah API #43-013-32829; Lease #UTU-66185

GL: 6349' KB: 6361'

Wellbore Diagram

Initial Production: MCFD, BWPD

FRAC JOB

BOPD,

Frac LODC sands as follows: 07/17/06 5210-51853 70,229# 20/40 sand in 547 bbls Lightning 17 frac fluid. Treated@ avg press of 2265 psi Cement Top @ 70' SURFACE CASING w/avg rate of 25.1 BPM. ISIP 2160 psi. Calc flush: 5207 gal. Actual flush: 4704 gal. CSG SIZE: 8-5/8' 07/17/06 4972-49163 Frac A1 & A5 sands as follows: GRADE: J-55 55,122# 20/40 sand in 462 bbls Lightning 17 frac fluid. Treated@ avg press of 2415 psi w/avg rate of 25 BPM. ISIP 2150 psi. Calc WEIGHT: 24# LENGTH: 8 jts. (311.63') flush: 4970 gal. Actual flush: 4452 gal. DEPTH LANDED: 323.48' KB 07/17/06 4773-4782\* Frac C sands as follows: 34,730# 20/40 sand in 405 bbls Lightning 17 HOLE SIZE:12-1/4" frac fluid. Treated @ avg press of 2238 psi w/avg rate of 25.1 BPM. ISIP 2175 psi. Calc flush: 4771 gal. Actual flush: 4284 gal. CEMENT DATA: 160 sxs Class "G" cmt, est 4.5 bbls cmt to surf. Frac D3,D2, & D1 sands as follows: 4652-4586 94,717# 20/40 sand in 678 bbls Lightning 17 PRODUCTION CASING frac fluid. Treated @ avg press of 1985 psi w/avg rate of 24.9 BPM. ISIP 2175 psi. Calc CSG SIZE: 5-1/2' flush: 4650 gal. Actual flush: 4494 gal. Pump Change GRADE: J-55 Rod & Tubing detail updated. WEIGHT: 15.5# LENGTH: 136 jts. (5927.83') DEPTH LANDED: 5941.08' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ. CEMENT TOP AT: 70° TUBING SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 162 jts (5133.18') TUBING ANCHOR: 5145.18' KB NO. OF JOINTS: 2 jts (63.45') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5211.43' KB NO. OF JOINTS: 2 jts (63.22') TOTAL STRING LENGTH: EOT @ 5276.20' KB 4586-4594 4624-4630' 4648-4652 PERFORATION RECORD SUCKER RODS 4 JSPF 4773-4782 07/11/06 5204-52103 24 holes 07/11/06 5185-5197 4 JSPF 48 holes POLISHED ROD: 1-1/2" x 22' SM 28 holes 07/17/06 4965-4972 4 JSPF SUCKER RODS:1-6' & 1-2' x 3/" pony rod, 99-3/4" scrapered rods, 92-3/4" 07/17/06 4916-49253 4 JSPF 36 holes plain rods, 10-3/4" scrapered rods, 6-1 1/2" weight rods. 4916-4925" 07/17/06 4773-4782 4 JSPF 36 holes PUMP SIZE: CDI 2-1/2" x 1-1/2" x 15.5' RHAC 4965-4972' 07/17/06 4648-4652 4 JSPF 16 holes 4624-4630' 07/17/06 4 JSPF 24 holes STROKE LENGTH: 07/17/06 4586-4594 PUMP SPEED, SPM: Anchor @ 5145' 5185-5197 5204-5210' SN @ 5211' EOT @ 5276' NEWFIELD PBTD @ 5919' SHOE @ 5941' Ashley Federal 11-23-9-15 TD@5950' 1981' FSL & 1911' FWL

Attachment E-4

# Ashley Federal 12-23-9-15

Initial Production: BOPD, Spud Date: 5-21-06 Put on Production: 6-27-06 MCFD, BWPD Wellbore Diagram GL: 6435' KB: 6447' FRAC JOB SURFACE CASING CSG SIZE: 8-5/8" 06-19-06 5466-54853 Frac LODC sands as follows: 35309# 20/40 sand in 405 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2118 psi WEIGHT: 24# Cement top @ 2703 w/avg rate of 25.1 BPM. ISIP 2230 psi. Calc flush: 5464 gal. Actual flush: 4998 gal. LENGTH: 7 jts (305.73') 06-20-06 5268-5376 Frac LODC sands as follows: DEPTH LANDED: 317.58' KB 82289# 20/40 sand in 718 bbls Lightning 17 frac fluid. Treated @ avg press of 2580 psi w/avg rate of 27.8 BPM. ISIP 2688 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf. flush: 5266 gal. Actual flush: 4746 gal. Frac A 1 sands as follows: 70997# 20/40 sand in 556 bbls Lightning 17 06-20-06 5019-5054' frac fluid. Treated @ avg press of 2435 psi w/avg rate of 30.8 BPM. ISIP 2580 psi. Calc flush: 5017 gal. Actual flush: 4494 gal. PRODUCTION CASING Frac C sands as follows: 06-20-06 4785-4795 CSG SIZE: 5-1/2" 40577# 20/40 sand in 368 bbls Lightning 17 frac fluid. Treated @ avg press of 2372 w/ avg rate of 24.9 BPM. ISIP 2580 psi. Calc GRADE: J-55 WEIGHT: 15,5# flush: 4783 gal. Actual flush: 4032 gal LENGTH: 140 jts. (6055.96') 06-20-06 4132-4156' Frac GB6 sands as follows: DEPTH LANDED: 6069,21' KB 45187# 20/40 sand in 393 bbls Lightning 17 frac fluid. Treated @ avg press of 1642 w/ avg rate of 25.2 BPM. ISIP 2580 psi. Calc HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ 4132-4140 flush: 4130 gal. Actual flush: 4032 gal. Pump change. Updated rod & tubing details 8-22-08 CEMENT TOP AT: 270 05/19/10 Tubing Leak. Rod & Tubing updated. 4149-4156 4785-4795 **TUBING** SIZE/GRADE/WT : 2-7/8" / J-55 5019-5024' NO. OF JOINTS: 172 jts (5430.80') 5034-5054 TUBING ANCHOR: 5442.80' KB NO. OF JOINTS: 1 jts (63 20') SEATING NIPPLE: 2-7/8" (1.10') 5268-52831 SN LANDED AT: 5508.80' KB NO OF JOINTS: 2 jts (63.10') 5339-5351 TOTAL STRING LENGTH: EOT @ 5573.35' KB 5363-5376 Anchor @ 5443' PERFORATION RECORD SUCKER RODS SN 5509' 5466-54853 06-15-06 5466-54851 4 JSPF 76 holes 06-19-06 5363-5376' 4 JSPF 52 holes POLISHED ROD: 1-1/2" x 22' SM 5339-5351' 4 JSPF 48 holes 06-19-06 SUCKER RODS: 1-2' X 1/4" pony rods, 100-1/4" guided rods, 94-1/4" plain 06-19-06 5268-5283 4 JSPF 60 holes rods, 20- 3/4" guided rods, 6- 1 1/2" weight rods. 5034-5054 4 JSPF 80 holes 06-20-06 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC 06-20-06 5019-5024' 4 JSPF 20 holes STROKE LENGTH 86" 06-20-06 4785-4795' 40 holes PUMP SPEED, SPM: 5 SPM 06-20-06 4149-4156' 4 JSPF 28 holes 4132-4140' 4 JSPF 32 holes EOT @ 5573 NEWFIELD PBTD @ 6050' SHOE @ 6069' Ashley Federal 12-23-9-15 TD @ 6070' 1950' FSL & 623' FWL NW/SW Section 23-T9S-R15E Duchesne Co, Utah TW 07/20/10

API #43-013-32830; Lease #UTU-02458

# Ashley Federal 13-23-9-15

**Initial Production:** Spud Date: 12-4-06 Put on Production: 1-29-07 Injection Wellbore MCFD, BWPD Diagram GL: 6403' KB: 6415' FRAC JOB 01-23-07 5600-5614 Frac CP3 sands as follows: 30784# 20/40 sand in 414 bbls Lightning 17 frac fluid. Treated @ avg press of 2102 psi SURFACE CASING w/avg rate of 24.6 BPM. ISIP 2125 psi. Calc CSG SIZE: 8-5/8" flush: 5598 gal. Actual flush: 5103 gal. Cement top @ 170' Frac LODC sands as follows: GRADE: J-55 01-23-07 5368-5394 60740# 20/40 sand in 502 bbls Lightning 17 WEIGHT: 24# frac fluid. Treated @ avg press of 1938 psi w/avg rate of 24.6 BPM. ISIP 2000 psi. Calc LENGTH: 7 jts (297.96') flush: 5366 gal. Actual flush: 4855 gal. DEPTH LANDED: 308.86' KB HOLE SIZE:12-1/4" 01-23-07 5037-50483 Frac A 3 sands as follows: 20923# 20/40 sand in 292 bbls Lightning 17 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf. frac fluid. Treated @ avg press of 2463 psi w/avg rate of 14.4 BPM. ISIP 2650 psi. Calc flush: 5035 gal. Actual flush: 4540 gal. PRODUCTION CASING Frac B2 sands as follows: 01-24-07 4824-48313 CSG SIZE: 5-1/2" 20433# 20/40 sand in 300 bbls Lightning 17 frac fluid. Treated @ avg press of 2235 w/ avg rate of 24.5 BPM. ISIP 2070 psi. Calc GRADE: J-55 WEIGHT: 15.5# flush: 4822 gal. Actual flush: 4318 gal. LENGTH: 131 jts. (5888.22') 01-24-07 4626-4709 Frac C, &D3 sands as follows: DEPTH LANDED: 5901.47' KB 35620# 20/40 sand in 407 bbls Lightning 17 frac fluid. Treated @ avg press of 2145 w/ avg rate of 24.5 BPM. ISIP 2080 psi. Calc HOLE SIZE: 7-7/8' CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ. flush: 4624 gal. Actual flush: 4179 gal. CEMENT TOP AT: 170 01-24-07 4539-4557 Frac D1 sands as follows: 30813# 20/40 sand in 370 bbls Lightning 17 frac fluid. Treated @ avg press of 2335 w/ avg rate of 24.5 BPM. ISIP 2150 psi. Calc TUBING flush: 4537 gal. Actual flush: 3994 gal. SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# 01-24-07 4014-4026 Frac GB6 sands as follows: NO. OF JOINTS: 124 jts (3914.58') 20707# 20/40 sand in 300 bbls Lightning 17 frac fluid. Treated @ avg press of 2224 w/ avg rate of 24.5 BPM, ISIP 1750 psi. Calc SEATING NIPPLE: 2-7/8" (1.10') Packer @ 4098' SN LANDED AT: 5624.40' KB flush: 4012 gal. Actual flush: 3952 gal. 4014-4026 TOTAL STRING LENGTH: EOT @ 4111.06' KB 2/5/08 Well converted to an Injection Well. EOT @ 4111' MIT completed and submitted. 2/11/08 4539-4557 4626-4635 PERFORATION RECORD **4700-4709**° 01-10-07 5600-5614' 4 JSPF 56 holes 01-23-07 5368-5394' 4 JSPF 104 holes **4824-4831** 5037-5048' 01-23-07 4 JSPF 44 holes 01-24-07 4824-4831' 4 ISPF 28 holes 5037-5048' 01-24-07 4700-4709' 4 JSPF 36 holes 4626-4635" 01-24-07 4 ISPF 36 holes 4539-4557 01-24-07 4 JSPF 72 holes **5368-5394** 01-24-07 4014-4026' 4 JSPF 48 holes **5600-5614** NEWFIELD PBTD @ 5856' RECEIVED SHOE @ 5901' Ashley Federal 13-23-9-15 TD @ 5930' OCT 26 2011 660' FSL & 660' FWL SW/SW Section 23-T9S-R15E DIV. OF CIL, GAS & MINING Duchesne Co, Utah

API # 43-013-32816; Lease # UTU-66185

# Ashley Federal 15-23-9-15

Spud Date: 06/06/06 Initial Production: BOPD, Put on Production: 07/12/06 Injection Wellbore MCFD, BWPD K.B.: 6373, G.L.: 56361 Diagram **FRAC JOB** 07/06/06 5718-5730 Frac CP4, sands as follows: 29821#20/40 sand in 375 bbls Lightning 17 SURFACE CASING frac fluid. Treated@ avg press of 2100 psi w/avg rate of 25.1 BPM. ISIP 1480 psi. Calc CSG SIZE: 8-5/8" flush: 5728 gal. Actual flush: 5212 gal. Cement top @ 120' GRADE: J-55 07/07/06 5456-5472 Frac CP1 sands as follows: WEIGHT: 24# 60199# 20/40 sand in 491 bbls Lightning 17 LENGTH: 7 jts. (305.56') frac fluid. Treated @ avg press of 1965 psi w/avg rate of 25.1 BPM. ISIP 2150 psi. Calc flush: 5470 gal. Actual flush: 4944 gal. DEPTH LANDED: 317.41' KB HOLE SIZE:12-1/4" 07/07/06 5064-51863 Frac LODC sands as follows: 246738# 20/40 sand in 1669 bbls Lightning17 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf. frac fluid. Treated@ avg press of 2553 psi w/avg rate of 40 BPM. ISIP 2675 psi. Calc flush: 5184 gal. Actual flush: 4965 gal. 8/9/07 Pump change. Updated rod & tubing detail. PRODUCTION CASING 2/23/08 Well converted to an Injection well. CSG SIZE: 5-1/2" 2/29/08 MIT completed and submitted. GRADE: J-55 WEIGHT: 15.5# LENGTH: 146 jts. (5945.28') DEPTH LANDED: 5958.53' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II mixed & 520 sxs 50/50 POZ. CEMENT TOP AT: 120' **TUBING** SIZE/GRADE/WT.: 2-7/8" J-55 tbg NO. OF JOINTS: 158 jts (4995.80') TUBING ANCHOR: 5012' KB (2.80') SN LANDED AT: 5007.80' KB TOTAL STRING LENGTH: EOT @ 5016.10' KB Packer @ 5012' EOT @ 5016' 5064-50693 PERFORATION RECORD 5112-5120' 06/29/06 5718-5730' 4 JSPF 48 holes 5134-5166' 07/06/06 5456-5472' 4 JSPF 64 holes 07/07/06 5177-5186' 4 JSPF 36 holes 5177-5186' 07/07/06 5134-5166' 4 JSPF 128 holes 07/07/06 5112-5120' 4 JSPF 32 holes 07/07/06 5064-50693 4 JSPF 20 holes 5456-5472 5718-5730' NEWFIELD PBTD @ 5937' SHOE @ 5958' MECEWED Ashley Federal 15-23-9-15 TD @ 5985' 743' FSL & 1837' FEL OCT 26 2011 SW/SE Section 23-T9S-R15E

Duchesne Co, Utah

API #43-013-32831; Lease #UTU-66185

DIM OF CIL, GAS & MINING

FRAC JOB

09-05-06 5358-5370

09-06-06 4071-40763

09-06-06 3957-39623

9-10-07

1/15/09

7/16/2010

10/14/13

10/18/13

SN @ 3902'

Packer @ 3909'

PBTD @ 5912'

SHOE @ 5934

TD @ 5950'

On Off Tool @ 3903'

# Ashley Federal 4-26-9-15

Put on Production: 9-11-06 GL: 6439' KB: 6451'

Injection Wellbore Diagram

#### SURFACE CASING

Spud Date: 7-28-06

CSG SIZE: 8-5/83 Cement top @ 80 GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts (311.87') DEPTH LANDED: 323.72' KB Casing Shoe @ 324' HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2' GRADE: J-55 WEIGHT: 15.5# LENGTH: 136 jts. (5920.33') DEPTH LANDED: 5933.58' KB HOLE SIZE: 7-7/8"

CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

CEMENT TOP AT: 80'

#### TUBING

NO. OF JOINTS: 122 jts (3890.4') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 3902.4' KB ON/OFF TOOL AT: 3903.5' ARROW #1 PACKER CE AT: 3908.63 XO 2-3/8 x 2-7/8 J-55 AT: 3912.2' TBG PUP 2-3/8 J-55 AT: 3912.7' X/N NIPPLE AT: 3916.8' TOTAL STRING LENGTH: EOT @ 3918.39\*

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5#

# X/N Nipple @ 3917' EOT @ 3918 3957-3962' 4071-40763 4324-4331' 4518-4530 4544-4565 4684-4690 4747-4752' 5358-5370

Frac LODC sands as follows: 39671# 20/40 sand in 432 bbls Lightning 17 frac fluid. Treated @ avg press of 2603 psi w/avg rate of 24.9 BPM. ISIP 2500 psi. Calc flush: 5356 gal. Actual flush: 4830 gal.

Frac B .5, & C sands as follows: 09-06-06 4684-4752 24031#20/40 sand in 337 bbls Lightning 17 frac fluid. Treated @ avg press of 2301 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 4682 gal. Actual flush: 4200 gal.

Frac D2, & D1 sands as follows: 09-06-06 4518-4565 149486# 20/40 sand in 985 bbls Lightning 17 frac fluid. Treated@ avg press of 1855 psi w/avg rate of 25.2 BPM. ISIP 1950 psi. Calc flush: 4516 gal. Actual flush: 4032 gal.

09-06-06 4324-43313 Frac PB11 sands as follows: 19160#20/40 sand in 273 bbls Lightning 17 frac fluid. Treated@ avg press of 2471 w/ avg rate of 25.2 BPM. ISIP 2000 psi. Calc flush: 4322 gal. Actual flush: 3822 gal.

> Frac GB6 sands as follows: 28480# 20/40 sand in 324 bbls Lightning 17 frac fluid. Treated@ avg press of 1984 w/ avg rate of 25.1 BPM. ISIP 1800 psi. Calc flush: 4069 gal. Actual flush: 3570 gal.

Frac GB2 sands as follows: 28765#20/40 sand in 295 bbls Lightning 17 frac fluid. Treated@ avg press of 2249 w/ avg rate of 25.1 BPM. ISIP 1750 psi. Calc

flush: 3955 gal. Actual flush: 3864 gal. Parted Rods. Updated rod & tubing details.

Tubing leak, Updated rod and tubing detail.

Convert to Injection Well Conversion MIT Finalized - update tbg

Tubing Leak, Updated r & t details.

PERFORATION RECORD

5358-5370' 4 JSPF 48 holes 08-22-06 4747-4752' 09-05-06 4 JSPF 20 holes 09-05-06 4684-4690' 4 JSPF 24 holes 09-06-06 4544-4565' 4 JSPF 84 holes 09-06-06 4518-4530' 4 JSPF 48 holes 09-06-06 4324-4331' 4 ISPF 28 holes 09-06-06 4071-4076' 4 JSPF 20 holes 09-06-06 3957-3962' 4 JSPF 20 holes

# NEWFIELD

#### Ashley Federal 4-26-9-15

537' FNL & 535' FWL NW/NW Section 26-T9S-R15E Duchesne Co, Utah API # 43-013-32900; Lease # UTU-027345

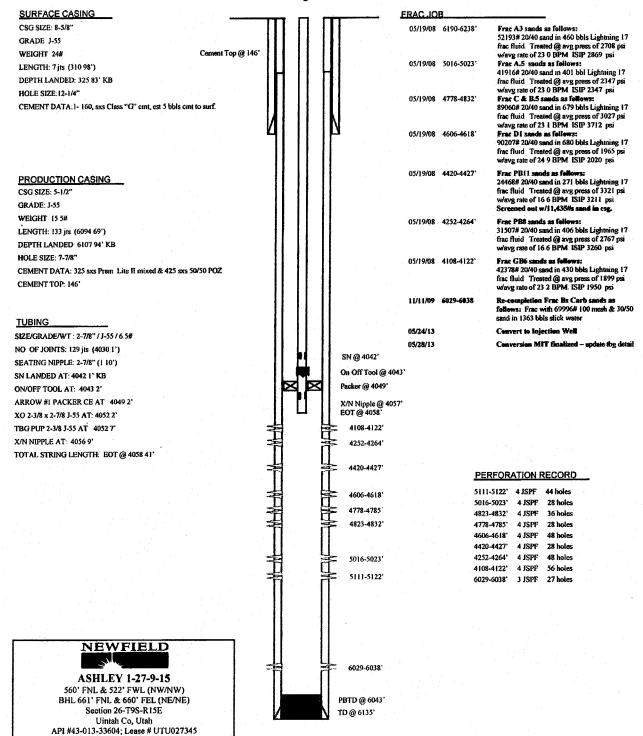
LCN 10/21/13

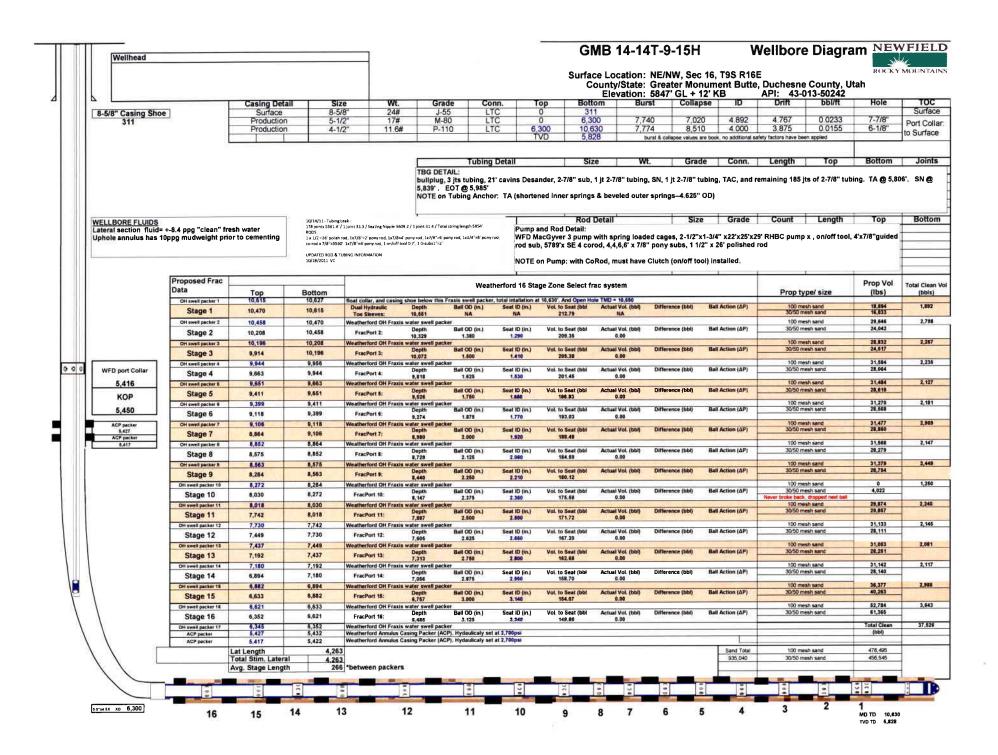
Spud Date: 04/15/08

## **ASHLEY FEDERAL 1-27-9-15**

Put on Production: 05/29/08 GL: 6505' KB: 6517'

Injection Wellbore Diagram





# NEWFIELD

 $\mathcal{M}_{\mathcal{S}} = \{ x_1, y_2 \in \mathcal{S}_{\mathcal{S}} \}$ 

#### GMBU L-23-9-15

Monument Butte - Duchesne County; Utah, USA

Surface Legal Location: NE/SE Section 23, T9S, R15E; 2041' FSL & 713' FEL

Elevation: 6326' GL + 10' KB

Paul Lembcke
PFM 4/22/2013
Spud Date: 3/27/2013
RoR Date: 5/10/2013

									ADI Number	Elevation: 63 43-013-51580;									Spud Date: 3	
$\neg$	Casing	Тор	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID									PoP Date: 5	10/20
CASING	Surf	10'	327'		+			-			gal/ft	Coupling	Hole			- п				
5 🛎	Prod	10'	6,179'	8-5/8" 5-1/2"	24# 15.5#	J-55 J-55	7.972" 4.825*	2,950 4,810	1,370 4,040	8.097" 4.950"	2.6749 0.9997	STC	12.250	ľ						
=	Тор	Bottom	Coupling	Size	Wt.	Grade	Drift	1 -		4.950 ID		LTC Packer/Henge	7.875			•				
PET.	10'	<del> </del>						Burst	Collapse	_								N		
TBG DETAIL	10	5,882'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Ancho	rSet@o	5,784'		7				8-5/8"Shae @ 327	.42'
		Component		Тор	Bottom	Size	Grade	Longth	Count		D.					- 11				
	Polish Rod				_			Length	Count	Incart Pump:		mp 75 Plunger RH/	AC @ E 907!							
ROD DETAIL	Pony Rod			30'	30'	1 1/2" 7/8"	C(API)	30 2	1	maert Fump.	C.J IVIGA ID A 1.	73 Fluigei KH	AC @ 3,007.							
9	Aper Guided	Rod		32'	1,757'	7/8"	C(API)		1	1						H				
ž	Aper Guided			1,757'	5,057	3/4"	Tenaris D78 Tenaris D78	1725 3300	69 132	ĺ										
	8per Guided			5,057	5,807'	7/8"	Tenaris D78	750	30	İ										
Stage	Тор	Bottom	SPF	EHD	Date	-,,-			Frac St	mmarv										
4	0'	0'	3			Formation:		C-Sand	D1						- 1					
	0,	0,	3	-	<del>                                     </del>	20/40 White:		23,664		15% HCl:			gals				ľ			
	0,	0'	3	-	<del></del>	Pad:		752		Treating Fluid	:	7,016	_							
	0'	0'	3		<del>                                     </del>	Flush:		4,717		Load to Recov		12,850			11					
	4,722'	4,724'	3	0.34	5/2/2013	(S)P=		0.849		Max STP:		3,778				H				
	4,861'	4,863'	3	0.34	5/2/2013							0,1,10	<b>,</b>		-	11	E			
- 1	4,865'	4,867'	3	0.34	5/2/2013											- !!		1		
3	0'	0'	3		A 20 CO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Formation:		A1							11	- 11	ŀ			
	0'	0'	3		<u> </u>	20/40 White:		58,989	lbs	15% HCI:		500	aals		- [ ]		ŀ	: [		
	0'	0'	3	-	-	Pad:		945		Treating Fluid:		14,329			1	- 11		1		
ı	0'	0'	3	-	T	Flush:		5,099		Load to Recov		21,326					ž.	.		
ı	5,090'	5,091'	3	0.34	5/2/2013	ISIP=		0.953		Max STP:		3,872			<b>[</b> ]	- 11	ľ			
- 1	5,095'	5,096'	3	0.34	5/2/2013							.,				- 11	ŀ	1		
	5,106'	5,108'	3	0.34	5/2/2013												3.			
2	0'	0'	3		_	Formation:		LODC				A COLUMN PROPERTY AND A ST			1		į			
- 1	5,244'	5,246'	3	0.34		20/40 White:		227,186	bs	15% HCl:		500	gals			- 11		1		
- [	5,279'	5,280'	3	0.34		Pad:		1,264		Treating Fluid:		52,650					i de	1		
1	5,295'	5,296'	3	0.34	5/2/2013	Flush:		5,158		Load to Recov		59,895			I I	[1	E.			
- [	5,304'	5,305'	. 3	0.34		ISIP=		0.935		Max STP:		3,330 j			<b>[</b> ]		Į.			
[	5,333'	5,334'	3	0.34	5/2/2013											للبي		1		
	5,349'	5,350'	3	0.34	5/2/2013															
1	0'	0'	3	-	-	Formation:		CP3	CP2		***********	***********				F	l l			
ı	0'	0'	3		-	20/40 White:		22,010		15% HCl:		2,886 g	gals				Ĕ	.	OT @ 5882'; TA @ 578	u.
	0'	0'	3			Pad:		1,172		Treating Fluid:		5,512 g							5-1/2"Shoe @ 6179.3	
ſ	0'	0'	3		_	Flush:		5,691		Load to Recove	er:	14,089 g			4		Tion I		PBTD @ 6155'	
Ε	0'	0'	3	-		ISIP=		0.778		Max STP:		3,359 p						1	TVD @ 6055'	
	5,748'	5,750'	3	0.34	5/1/2013												::::: <b>.</b>	J	BHST = 170°F	
L		5,808'	3	0.34	5/1/2013															

# **NEWFIELD** July 1

## **Schematic**

013-52359

Well Name: GMBU R-23-9-15 Surface Legal Location 

43013523590000 500334659 (ft) Ground Elevation (ft) 6,352

UTU66185 Utah Total Depth All (TVD) (ftKB) Original Hole - 5,999.6

State/Province

Field Name County Duchesne GMBU CTB3 PBTD (All) (ftKB)
Original Hole - 6,073.3

Report Printed: 3/18/2014

Most Recent Job Job Category

Initial Completion

Primary Job Type

Fracture Treatment

Secondary Job Type P&P

Job Start Date 2/11/2014

Job End Date

Initial Comp			acture Treati	ment P&P 2/11/2014
TD: 6,148		<del></del>		Slant - Original Hole, 3/18/2014 4:21:48 PM
MD (ftKB)	TVD (ftKB)	Incl (°)	DLS DLS (°	Vertical schematic (actual)
9.8	9.9	1.1	0——3	
10.8	10.9	1.1		—1-1; Tubing Hanger; 7; 2.441; 10-11; 0.90
14.1	14.2	. 1.1		1; Conductor; 14 in; 13.500 in; 10-15 ftKB; 5.00 ft
29.9 40.0	29.9	1.1		F-1
279.5	40.1 279.5	1.1		
325.5	325.4	1.1		
332.0	332.0	1.1	-	2; Surface; 8 5/8 in; 8.097 in; 10-327 ftKB; 317.05 ft
2,390.1	2,354.6	15.0	1	1-2; Tubing; 2 7/8; 2.441; 11-5,741; 5,730.54
3,351.7	3,284.5	16.6	*	
4,721.1	4,614.2	13.1		Perforated; 4,720-4,721; 2/12/2014
4,813.0 4,934.1	4,703.7 4,821.7	12.9 12.8	>	Perforated; 4,811-4,813; 2/12/2014
4,952.1	4,839.3	12.8		Perforated; 4,948-4,952; 2/12/2014
5,014.1	4,899.8	13.0	\	
5,328.1	5,204.9	13.5	>	Perforated; 5,014-5,018; 2/12/2014
5,586.0	5,456.4	13.1		Perforated; 5,586-5,587; 2/11/2014
_	5,462.2	13.2		Perforated; 5,592-5,593; 2/11/2014
	5,467.3 5,607.4	13.3		Perforated; 5,597-5,598; 2/11/2014
	5,619.5	14.2	/	1-3; Anchor/catcher; 4.67; 2.441; 5,742-5,744; 2.80
5,765.1	5,630.3	14.1	\	Perforated; 5,754-5,758; 2/11/2014 ————————————————————————————————————
5,777.9	5,642.7	14.1		1-5; Pump Seating Nipple; 2 7/8; 2.310; 5,777-5,778; 1.10
5,810.4 5	5,674.2	14.1		1-6; Tubing; 2 7/8; 2.441; 5,778-5,810; 32.54 1-7; Tubing Pup Joint; 2 7/8; 2.441; 5,810-5,815; 4.12
	5,694.9	14.2		1-8; Desander; 3 1/2; 1.000; 5,815-5,832; 17.18 1-9; Tubing; 2 7/8; 2.441; 5,832-5,929; 97.36
	5,789.8 5,929.7	14.6	>	1-10; Valve; 2 7/8; 2.441; 5,929-5,930; 0.65
	,973.6	12.2	/	
	,999.6	12.1		3; Production; 5 1/2 in; 4.950 in; 10-6,119 ftKB; 6,109.35 ft
ww.newfield	l.com			Page 1/1

Page 1/1

# NEWFIELD

#### **Schematic**

43-013-52360

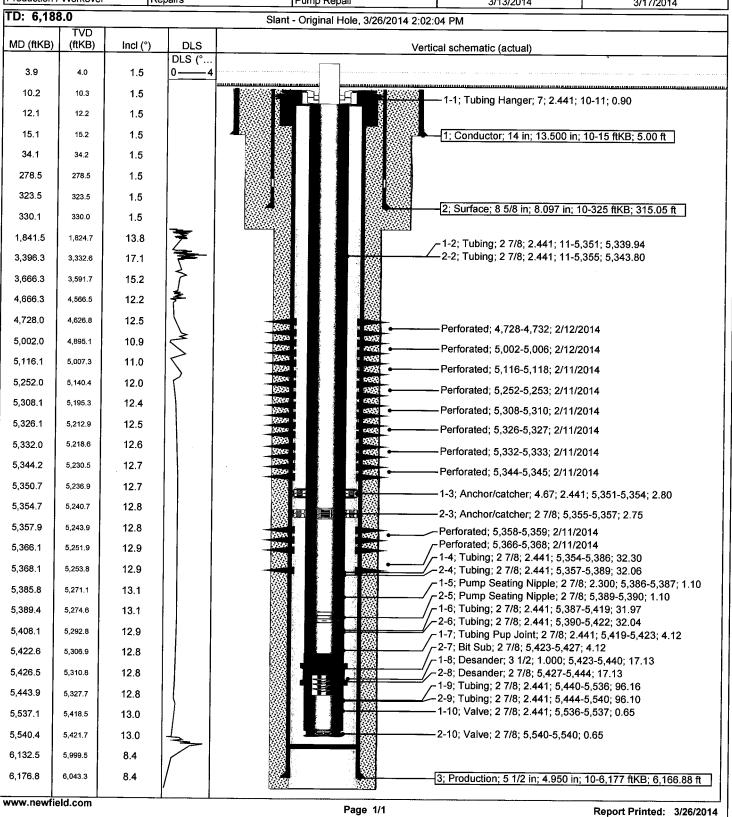
Well Name: GMBU M-23-9-15

Surface Legal Location	on	·		API/UWI		MAIL DO	· · · · · · · · · · · · · · · · · · ·	0.1.15		
				API/UVVI	ı	Well RC	Lease	State/Province	Field Name	County
NESW 1977 FS	L 1919 FWL Sec	23 T9S R15E M	ler SLB	430135236	600000	500366924	UTU66185	Utah	Ідмви ствз	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation	(ft) [C	Fround Ele	evation (ft)	Total Depth All (TVD)	(fiKB)	PBTD (All) (ftKB)	
1/11/2014	1/21/2014	İ	6.362			evalen (ii)		• •	` ' ' '	
171172014	1/2 1/2014	<u> </u>	0,302		3,352		Original Hole - 6	5,054.4	Original Hole - 6	5,130.9

 Most Recent Job

 Job Category
 Primary Job Type
 Secondary Job Type
 Job Start Date
 Job End Date

 Production / Workover
 Repairs
 Pump Repair
 3/13/2014
 3/17/2014



# Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory 1553 East Highway 40 Vernal, UT 84078



## Water Analysis Report

Production Company: NEWFIELD PRODUCTION (158)

Well Name: Ashley Federal 14-23-9-15

Sample Point: Treater Sample Date: 5 /16/2011 Sales Rep: Darren Betts Lab Tech: John Keel

Sampl	e ID:	WA-	58622
· · · · · · · · ·			

Sample Specifics						
Test Date:	6/3/2011					
Temperature (°F):	70					
Sample Pressure (psig):						
Specific Gravity (g/cm²):	1.0080					
pH:	8.7					
Turbidity (NTU):						
Calculated T.D.S. (mg/L):	13419					
Molar Conductivity (µS/cm):	20332					
Resitivity (Mohm):	0.4918					

Ana	ılysis @ Propert	ties in Sample Specifics	
Cations	mg/L	Anions	mg/L
Calcium (Ca):	12.50	Chloride (CI):	7000.00
Magnesium (Mg):	5.40	Sulfate (SO 4):	28.00
Barium (Ba):	3.00	Dissolved CO <sub>2</sub> :	
Strontium (Sr):	•	Bicarbonate (HCO 3):	1366.00
Sodium (Na):	4998.00	Carbonate (CO 3):	•
Potassium (K):		H <sub>2</sub> S:	0.50
Iron (Fe):	5.40	Phosphate (PO <sub>4</sub> ):	-
Manganese (Mn):	0.08	Silica (SiO <sub>2</sub> ):	- Indiana - Carlo
Lithium (Li):		Fluoride (F):	
Aluminum (AI):		Nitrate (NO <sub>3</sub> ):	
Ammonia NH <sub>3</sub> :	-	Lead (Pb):	
		Zinc (Zn):	•
		Bromine (Br):	•

Boron (B):

		Section 1	Scal	e Values @	Test Co	nditions -	Potentia	al Amount	of Scale	e in lb/1000	bbl	
<b>Test Conditions</b>		Calcium Ca		Gyps		Calcium		Strontium		Barium S		Calculated
Temp	Gauge Press.	CaC	03	CaSO <sub>4</sub>	2H <sub>2</sub> O	CaS	0.4	SrSC	04	BaSC	) 4	CO <sub>2</sub>
°F	psi	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
70		4.88	19.21	0.00	-2604.90	0.00	-2999.60		8	5.18	4.04	0.11
80	0	5.66	19.76	0.00	-2629.70	0.00	-2956.00		M.	4.11	3.78	0.03
100	0	7.03	19.87	0.00	-2649.60	0.00	-2782.90		-	2.78	3.16	0.04
120	0	7.94	19.26	0.00	-2460.00	0.00	-2526.10	-	-	1.99	2.43	0.05
140	0	8.40	18.53	0.00	-2268.40	0.00	-2222.30	-	-	1.45	1.50	0.06
160	0	8.38	17.89	0.00	-2109.40	0.00	-1903,40			1.07	0.33	0.07
180	0	7.97	17.42	0.00	-1977.70	0.00	-1593.50	-		0.80	-1.13	0.08
200	0	7.30	17.07	0.00	-1869.20	0.00	-1308.50	-	-	0.61	-2.91	0.09
220	2.51	6.45	16.71	0.00	-1801.50	0.00	-1069.10	-		0.45	-5.25	0.09
240	10.3	5.61	16.10	0.00	-1731.90	0.00	-852.16	-	-	0.34	-7.90	0.09
260	20.76	4.80	15.07	0.00	-1677.10	0.00	-670.44			0.26	-11.05	0.10
280	34.54	4.06	13.54	0.00	-1635.80	0.00	-521.29	-	-	0.20	-14.74	0.10
300	52.34	3.40	11.59	0.00	-1607.10	0.01	-400.89		-	0.16	-19.08	0.11

Conclusions:

Calcium Carbonate scale is indicated at all temps from 80°F to 300°F

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

**Barium Sulfate NO CONCLUSION** 

Strontium Sulfate scaling was not evaluated

Notes:

P=8.3

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OCT 26 2011

DIV. OF OIL, GAS & MINING

Friday, June 03, 2011 **Multi-Chem Production Chemicals** Innovation Page 1 of 2 Excellence

Ethics Commitment



1553 East Highway 40 Vernal, UT 84078

Saturation Index

08

20

60

200

Temperature in degrees fahrenheit



## Scale Prediction Graphs

25.0

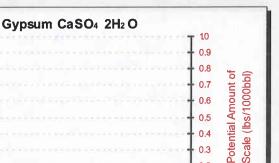
20.0

10.0

Well Name: Ashley Federal 14-23-9-15

Calcium Carbonate CaCO3





0.2

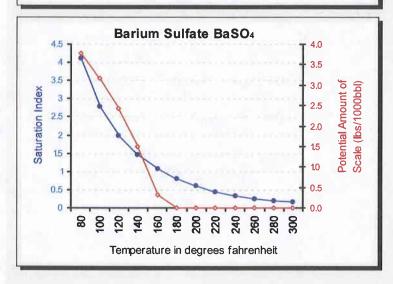
0.1

Sample ID: WA-58622

Temperature in degrees fahrenheit

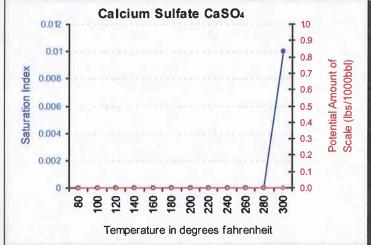
120

9



240

200



RECEIVED OCT 26 2011



Multi-Chem Analytical Laboratory 1553 East Highway 40 Vernal, UT 84078



## Water Analysis Report

Production Company: NEWFIELD PRODUCTION (158)

Well Name: Ashley IF
Sample Point: tank
Sample Date: 1 /7 /2011
Sales Rep: Monty Frost
Lab Tech: Peter Poulsen

Sample II	D: <b>W</b> /	<b>\-531</b> 3	30
-----------	---------------	----------------	----

Sample Specifics						
Test Date:	1/24/2011					
Temperature (°F):	100					
Sample Pressure (psig):						
Specific Gravity (g/cm³):	1.0017					
pH:	7.98					
Turbidity (NTU):						
Calculated T.D.S. (mg/L)	6217					
Molar Conductivity (µS/cm):	9420					
Resitivity (Mohm):	1.0616					

	Analysis @ Prope
Cations	mg/L
Calcium (Ca):	34.57
Magnesium (Mg):	18.40
Barium (Ba):	7.62
Strontium (Sr):	
Sodium (Na):	2218.00
Potassium (K):	
Iron (Fe):	0.32
Manganese (Mn):	0.02
Lithium (Li):	
Aluminum (AI):	
Ammonia NH₃ :	im.

Anions	mg/L
Chloride (CI):	3000.00
Sulfate (SO <sub>4</sub> ):	10.00
Dissolved CO <sub>2</sub> :	
Bicarbonate (HCO <sub>3</sub> ):	927.00
Carbonate (CO <sub>3</sub> ):	•
H <sub>2</sub> S:	1.00
Phosphate (PO <sub>4</sub> ):	
Silica (SiO <sub>2</sub> ):	
Fluoride (F):	
Nitrate (NO <sub>3</sub> ):	
_ead (Pb):	
Zinc (Zn):	
Bromine (Br):	
Boron (B):	

			Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl											
<b>Test Conditions</b>		Calcium Ca	rbonate	Gyps	Gypsum		Calcium Sulfate		Strontium Sulfate		ulfate	Calculated		
Temp	Gauge Press.	CaC	O 3	CaSO <sub>d</sub>	2H 2O	CaS	0 4	SrSC	04	BaSC	)t	CO 2		
°F	psi	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi		
100		4.86	11.91	0.00	-2023.00	0.00	-2138.60	*	-	2.71	6.25	0.26		
80	0	3.61	8.98	0.00	3.62	0.00	-2280.60	-		4.10	8.00	0.13		
100	0	4.86	11.91	0.00	7.31	0.00	-2138.70		:#C	2.71	6.25	0.16		
120	0	6.11	14.46	0.00	10.28	0.00	-1932.90		-	1.83	4.19	0.17		
140	0	7.38	16.89	0.00	12.81	0.00	-1692.50	=	-	1.27	1.80	0.20		
160	0	8.59	19.05	0.00	14.86	0.00	-1442.00	-	_	0.89	-0.93	0.22		
180	0	9.63	20.78	0.00	16.27	0.00	-1199.60	-	-	0.64	-4.03	0.24		
200	0	10.46	21.95	0.00	16.91	0.00	-977.39	_	17/2	0.47	-7.51	0.24		
220	2.51	10.94	22.56	0.00	16.78	0.00	-789.27	-	7	0.34	-11.65	0.25		
240	10.3	11.20	22.38	0.00	15.91	0.00	-621.34	=	-	0.25	-16.09	0.25		
260	20.76	11.19	21.60	0.00	14.67	0.00	-481.36			0.19	-21.06	0.25		
280	34.54	10.93	20.30	0.00	13.32	0.00	-367.07	-		0.14	-26.63	0.26		
300	52.34	10.47	18.65	0.00	11.99	0.01	-275.34	-		0.11	-32.87	0.26		

Conclusions: Notes:

Calcium Carbonate scale is indicated at all temps from 80°F to 300°F

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate NO CONCLUSION

OCT 26 2011

DIV. OT O'LL EXES AND IT'S

Multi-Chem Production Chemicals Monday, January 24, 2011

Ethics Commitment Page 1 of 2 Excellence Innovation

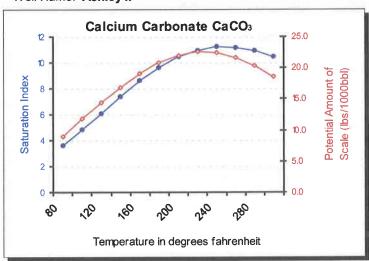
## Multi-Chem Group, LLC

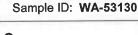
Multi-Chem Analytical Laboratory 1553 East Highway 40 Vernal, UT 84078

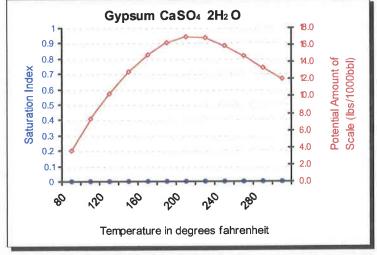


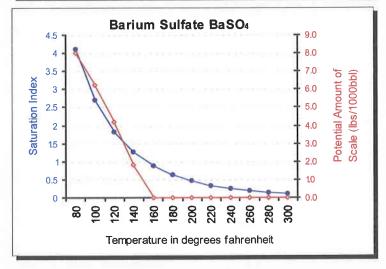
## Scale Prediction Graphs

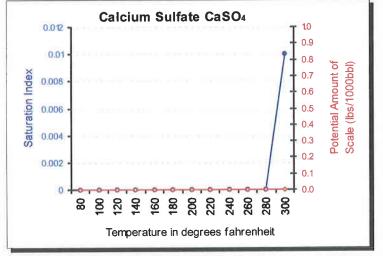
Well Name: Ashley IF













## **Attachment "G"**

# Ashley #14-23-9-15 Proposed Maximum Injection Pressure

	Interval eet)	Avg. Depth	iSIP	Calculated Frac Gradient	
Top	<b>Bottom</b>	(feet)	(psi)	(psi/ft)	Pmax
5765	5777	5771	2415	0.85	2378
5368	5374	5371	2230	0.85	2195
5138	5156	5147	2680	0.95	2647
4814	4824	4819	1860	0.82	1829
4706	4685	4696	1540	0.76	1509 ◀──
4566	4583	4575	1860	0.84	1830
				Minimum	1509

Calculation of Maximum Surface Injection Pressure

Pmax = (Frac Grad -(0.433\*1.015)) x Depth of Top Perf where pressure gradient for the fresh water is .433 psi/ft and specific gravity of the injected water is 1.015.

Frac Gradient = (ISIP +(0.433\*Top Perf.))/Top Perf.

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.



# ATTACHMENT G-/

10f11

Day: 01

## **DAILY COMPLETION REPORT**

Report Date: July 22, 2006

WELL NAME: Ashley Federal 14-23-9-15

Ope	ration:	Completion		Rig:	Rigless	<u> </u>	
<del></del>			WELL S	<u> </u>	-		· · · · · · · · · · · · · · · · · · ·
Surf Csg:	8-5/8'	·	Prod Csg: _	5-1/2" @	5918'	Csg PBTI	
Tbg:	Size:	Wt:	Grd:	Pkr/EOT @:		BP/Sand PBT	D:
			PERFORATIO	N RECORD			
<b>Zone</b>		<u>Perfs</u>	SPF/#shots	Zone		<u>Perfs</u>	SPF/#shots
		<del></del>		CP5 sds	<u>5765-</u>	5777'	4/48
							<del> · · ·</del>
	_						<u></u>
n . w .	<b>5</b> (				OITD.	SICI	D. 0
Date Work	Pertorm	ed: <u>July 21</u>	, 2000		311F.		P: <u>      0                              </u>
Starting flu		be recovered:		/ERY (BBLS) g oil rec to date: /recovered today:			<u>-</u>
Ending flui				l recovered:			
IFL:	FF	·L: FT	P:Choke: _	Fina	Fluid Rate:	Fina	al oil cut:
		STIMULATION				COSTS	
Base Fluid	used:	J	ob Type:			erford BOP	\$460
Company:						C NU crew	\$300 \$1,000
Procedure	or Equipm	ient detail:				SI trucking	
				·		orators LLC	\$5,681 \$278,683
				<del></del>		Orilling cost  D&M hot oil	\$278,683 \$525
	-		RECEIV				\$300
				044		oreparation C wellhead	
-			OCT 26 2	<u> </u>			\$1,500 \$1,200
			DIV. OF CIL, GAS &	MINING		Overbood	\$1,200 \$3,000
				· ·		. Overhead	<u>\$3,000</u> \$300
Max TP	) A	ax Rate:	Total fluid pmpd:		INPU	Supervisor	<u> </u>
Avg TP		vg Rate:	Total India princa: Total Prop pmpd:		·		
ISIP		5 min:	10 min:	FG:	DAILY C	OST:	\$292,949
Comple	tion Sup	ervisor: Orso	on Barney	<del></del>	TOTAL WE	LL COST:	\$292,949



# ATTACHMENT G-/

2 of 11

Day: 2a

## **DAILY COMPLETION REPORT**

Report Date: Aug 2, 2006

WELL NAME: Ashley Federal 14-23-9-15

Ope	ration:	_	Completion					Rig:	Rig	less		
					WELL S	STATUS	_					
Surf Csg: 8-5/8		@	322'	F	rod Csg:		_ @	5918'	Csg I	PBTD:	5837'WL	
Tbg:	Size:		Wt:	Gr	'd:	Pkr/E	OT @:		BP/Sand	PBTD:		
				PEI	RFORATI	ION RECOR	RD.					
Zone		<u> </u>	Perfs	SPF/#sh			one		<u>Perfs</u>		SPF/#shots	
						CP5	sds	5765-	5777'	-	4/48	
										-		
										-		
										- -		
Date Wor	k Perfor	med:	8	-1-06				SITP:		SICP:	6	
next stage	e. ISIP V	vas 24	15. 51 <i>7</i> DDI	s EWTR. Le	·			ay20.			· <u></u>	
0, 1, 7						VERY (BBL						
Starting flu Fluid lost/			_	<u>141</u> 376		ng oil rec to st/recovered				-		
Ending flu			<i>-</i>	517		oil recovered				-		
IFL:		FFL:_		FTP:	Choke:		_ Final	nal Fluid Rate:			Final oil cut:	
		9	STIMULATION	ON DETAIL		-	***	·	COST	<u>s</u>		
Base Fluid	l used: _	Ligh	tning 17	Job Type:	San	d frac			rd Services	-	\$975	
Company:		BJ Sr	rices						frac water	-	\$389	
Procedure	or Equi	oment	detail: (	CP5 sds dowr	n casing				PC fuel gas	-	\$60	
163	8 gals to	cross	link					BJ Servic	es CP5 sds	_	\$20,769	
2520	gals of	pad			BI	ECEIVE	D.	NPC	Supervisor	<del>-</del>	\$150	
191	5 gals w	/ 1-4 p	pg of 20/40	sand		<del>ነቦቸ ፡፡ ለ ፡ ሳ</del> ስ	तक '			_		
396	5 gals w	4-6.5	ppg of 20/4	0 sand		CT 26 20	11 			_		
504	gals of 1	15% H	CL acid		DIV. OF	OIL, GAS & M	ww.			_		
Flus	h w/ 525	0 gals	of slick wat	er				<u>.</u>		-		
**Flu	ısh calle	d @ bl	ender to inc	lude 2 bbls pu	ımp/line v	olume**	<del>-</del> :			<u>-</u>		
	: 2738				id pmpd:	376 bbls				_		
_	: <u>2484</u>	_			op pmpd:	24,586#'s				-		
	: <u>2415</u>		min:	10 min:		FG: <u>.85</u>	_	DAILY C			\$22,343	
Compl	etion Su	upervi	isor: F	Ron Shuck				<b>TOTAL WI</b>	:LL COST:		\$315,292	



30911

Day: 2b

## **DAILY COMPLETION REPORT**

WELL NAME: Ashley Federal				ral 14-23-9-15	Re	port Date:	Aug	2, 2006	_		Day:	2b
Operation:		Completion						Rig:	Rigless			-
					WELL ST	TATUS						
Surf Csg:	8-5/8	@	322'		Prod Csg: _		@ _	5918'	_		5837'	
Tbg:	Size:		Wt:	G	rd:	Pkr/EC	)T @: _		_ BP/Sand P Plug 5480'	BTD:	5260	<u>''                                    </u>
				PE	RFORATIO	N RECORD	)		Plug 3460			
<u>Zone</u>			<u>Perfs</u>	SPF/#sh		<u>Zor</u>	<u>1e</u>		<u>Perfs</u>		SPF/#sl	<u>10ts</u>
	<u>.</u> .		·	<del> </del>		CP5 s	ds	5765	-5777'		4/48	
	<u> </u>											
LODC sds	<b>-</b> .	5138	-5156'	4/72	<del></del>							
LODC sds			-5374'	4/24	<u> </u>							
							···					
Date Work	Perfo	rmed	i:	8-1-06				SITP:	S	ICP:	2039	<del>}</del>
Day2b.							c) ei					
				cator. RIH w/								
				5368-74' w/ 3 RIH & spot 10								
of 20/40 sa	and in	303 b	bls of Lightr	ning 17 frac flu	uid. Open v	vell w/ 2039	psi or	n casing.	Perfs broke o	lown	@ 2210	psi
Treated @	ave pr	essu	re of 2225 w	/ ave rate of 2	5.1 bpm w/	6.5 ppg of s	and.	Spot 12 bb	ls of 15% HC	CL aci	d in flus	h fo
				bls EWTR. Le					// frac plug &	18' p	erf gun.	Se
plug @ 526	60'. P€	erfora	te LODC sds	s @ 5138-56' v	w/ 4 spf for	total of 72 s	hots.	SIFN.				
				FLU	JID RECOV	ERY (BBLS	<u>s)</u>					
_			recovered:	517	_	oil rec to da	_					
Fluid <u>lost</u> /re Ending fluid				303 820		recovered to	oday: _					
IFL:				FTP:				nal Fluid Rate: Fina			l oil cut:	
			STIMULAT	ION DETAIL	<u> </u>				COSTS			
Base Fluid	used:	Lig	htning 17		Sand	frac		Weatherfo	ord Services	•	\$2,	200
Company:	•		rvices	· –			_	NP	C frac water		\$:	324
Procedure (	or Equi	pmer	nt detail:	LODC sds do	wn casing		_	N	PC fuel gas			\$50
546 g	gals to	cross	slink				_	BJ Service	s LODCsds		\$10,	837
2016	gals o	f pad			RE	CEIVED	_	NPC	Supervisor		\$	150
<u>1511</u>	gals w	<u>// 1-4</u>	ppg of 20/40	0 sand	— OC.	T 2 6 2011	_	Lone Wol	f LODC sds		\$5,0	000
3235	gals w	/ 4-6	.5 ppg of 20/	40 sand		- 20 2011	_			-		
<u>504 g</u>	gals of	15%	HCL acid		DIV. OF CI	L, gas & min	NG -					
Flush	ı w/ 49	14 ga	als of slick wa	ater			_				<u></u>	
**Flus	sh calle	ed @ 1	blender to in	clude 2 bbls p	ump/line vol		-	. ,				
Max TP:			Diction to in			uiiie						
Avg TP:	2225			5.3 Total flu	ıid pmpd: _	303 bbls	_					
ISIP:		-	Rate: 25	5.1 Total Pr		303 bbls 19,944#'s	<u> </u>					
Comple	2230		Rate: 25 Rate: 25 min:		ıid pmpd: _	303 bbls	<u>-</u> -	DAILY O	COST:		\$18,8 \$333,8	



Day: <u>3a</u>

## **DAILY COMPLETION REPORT**

Report Date: Aug 3, 2006

Ashley Federal 14-23-9-15

**WELL NAME:** 

Ope	ration:	<u>c</u>	ompletion					Rig:	Rig	less	
					WELL S1	TATUS					
Surf Csg:	8-5/8	@	322'	F	Prod Csg:	5-1/2"	@	5918'	Csg F	PBTD:	5837'WL
Tbg:	Size:		Wt:	G	rd:	Pkr/EO	Γ@:		BP/Sand I	PBTD:	5260'
				DE	DEODATIO	N DECODE			Plug 5480'		
7		_	a men			N RECORD	_		Perfs_		SPF/#shots
<u>Zone</u>		<u> </u>	<u>Perfs</u>	SPF/#sh	iots	<u>Zon</u> CP5 sd	_	5765-			4/48
<del>_</del>	-			***************************************		<u> </u>				•	
	<b>-</b>									-	
I ODC ada	<del>.</del> .	Ë420 E	4 E G '	4/72		-				•	
LODC sds		5138-5 5368-5		4/12		<u></u>			<del></del>	-	
										•	
Date Work	, Darfo	rmed:	8-2	2-06				SITP:	9	SICP:	1131
Day3a.	reno	iiii <del>c</del> u.		2-00				0111.	· · · · · · · · · · · · · · · · · · ·		
PIIRIR	frac st	200 #3	w/ 80 500#'s	s of 20/40 s	and in 601	bbls of Ligh	tnina	17 frac flui	d Open w	ell w/	1131 psi or
casing Pa	orfe hro	ke dow	n @ 3500 n	si hack to 1	725 psi T	reated @ av	e nres	ssure of 21	60 w/ ave ra	ate of	25.2 bpm w
s nna of e	and o	Spot 13	711 @ 0000 p.	% HCL acid	l in flush fo	or next stage	ISI	P was 268	1421 bl	ols EV	VTR Leave
				o HOL acid	i ili ilusii iu	i liekt stage	. 101	1 Was 200	U. 1721 DE	) S L V	VIII. LOUV
pressure o	n weii.	See u	aysb.								
						ERY (BBLS	-		<del>.</del>		
Starting flu			_	820 01	-	g oil rec to da /recovered to	-			-	
Fluid <u>lost/re</u> Ending flui			,·	<del>121</del>		Trecovered to I recovered:	uay			-	
IFL:		FFL:		TP:	Choke:		Final	Fluid Rate:		Final	oil cut:
		5	STIMULATIO	N DETAIL	<u> </u>				COST	S	
Base Fluid	used:	_		Job Type:	Sand	frac		Weatherfo	rd Services		\$3,195
Company:		BJ Srv				<u> </u>	-	NPC	frac water		\$1,361
Procedure	or Equ	ipment	detail: LO	DDC sds do	wn casing		-	NI	PC fuel gas	-	\$210
	•	•			Ū		-	BJ Services	s LODCsds	-	\$23,482
6006	gals o	f pad	,				-		Supervisor	_	\$75
			pg of 20/40 s	and	hand been been		-		LODC sds	-	\$4,492
	<del></del>		pg of 20/40 s		B ( 5		-			-	
			of 20/40 sar		OCT 2	6 2011	-		• • • • • • • • • • • • • • • • • • • •	-	
			CL acid	pr: 44		<u> </u>	-			-	
			of slick water	er	<del>li OT CIL, S.</del>		-			-	
			ender to inclu		ump/line vo	lume**	-	<del></del>		-	
Max TP					iid pmpd:	601 bbls	-			_	
Avg TP					· · · -	80,509#'s	-			<u>-</u>	
	2680	_	min:	 10 min:		FG: <u>.95</u>	-	DAILY C	OST:		\$32,815
Comple	etion S	upervi	sor: Ro	on Shuck	<del></del>			TOTAL WI	ELL COST:		\$366,668



5 of 11

## **DAILY COMPLETION REPORT**

WELL NAME:		Ashley Feder	R	eport Date:	Aug	3, 2006			Day:	3b	
Oper	ation:	Completion	1				Rig:	Rig	gless		
			w	ELL S	TATUS						
Surf Csg:	8-5/8	@322'	Prod	Csg:_		. @ _	5918'	_	PBTD:		7'WL
Tbg:	Size:	Wt:	Grd:		Pkr/E	ОТ @: _		BP/Sand		49	<u>30'</u>
			PERF	)RATI	ON RECOR	D		Plug 5480	. 5260		
Zone		Perfs	SPF/#shots	214711		ne ne		Perfs		SPF/#	shots
	_				CP5 s		<u>5765-</u>		_	4/48	
									_		
B2 sds		4814-4824'	4/40						_		
LODC sds		5138-5156'	4/72		<del></del>		·····		-		
LODC sds	•	5368-5374'	4/24						<del>-</del>		
								<del></del>			
<b>Date Work</b>	Perfo	rmed:	3-2-06				SITP:		SICP:	17	70
Day3b.	<b></b> .		6 . 0 . 1		IOOO! D. f.		0 40	4.4.041/	4	4-4-	5 40
		v/ frac plug & 10' rac stage #4 w/ 2									
		broke down @ 34									
w/ 6.5 ppg	of san	d. Spot 12 bbls o	of 15% HCL acid	in flusl	n for next sta	age. IS	SIP was 186	80. 1736 b	obls EV	VTR.	Leave
pressure or	ı well.	See day3c.									
			FLUID	RECO	VERY (BBL	S)					
Starting flui	d load	to be recovered:			g oil rec to c				_		
Fluid <u>lost</u> /re					t/recovered t				_		
Ending fluid		recovered:		Cum o	il recovered:	_	Fluid Rate:		_ Final	oil cut:	
IFL:				noke		- Fillal	riuiu Kale.			on cut.	
			ON DETAIL	0	l <b>f</b>		Weatherfor	COST		<b>ው</b> 4	200
Company:		Lightning 17 BJ Srvices	Job Type:	Sand	l frac			frac water	_	Φ	2,200 \$389
			B2 sds down casi	ina		-		C fuel gas	_		\$60
Procedure (	or Equi	pment detail:	DZ SUS UUWII CAS	ing		-		ces B2 sds	_	\$20	0,769
2520	gals o	f nad						Supervisor	_	ΨΖ	\$75
			sond	REC	EIVED	- / -		Volf B2 sds	_		6,300
-	_	/ 1-4 ppg of 20/40 / 4-6.5 ppg of 20/		በርፕ	26 2011		LONG V	VOII DZ Sus	_	<u>_</u>	3,000
	<del></del>		+U Sariu	001	Z 0 ZUII				-		
		15% HCL acid		OF CIL	, GAS & MININ	ig -			_		
Flush	W/ 43	26 gals of slick wa	iller			-			<del></del>	-	
**Ci	h coll-	ed @ blender to inc	lude 2 hhle numn	/line v	olume**				-		
		Max Rate: 25			315 bbls				<del>-</del>		
		Avg Rate: 25		-					_		
_	1860	5 min:	10 min:	<u>-</u>	FG: .82		DAILY C	OST:		\$29	9,793
		upervisor:	Ron Shuck			-	TOTAL WE	LL COST	:	\$39	6,461



DAILY COMPLETION REPORT

WELL NAME: Ashley Federal 14-23-9-15

# NT G-1

6 of 11

Day: <u>3c</u>

<b>EWFIELD</b>	ATTACHMEN

Report Date: Aug 3, 2006

Oper	ration:		Completion	on					Rig:	Rig	gless	
					<del></del>	WFII 9	STATUS				_	
Surf Csg:	8-5/8	@	322'		P	rod Csg:		@	5918'	Csg	PBTD:	5837'WL
Tbg:	Size:		Wt	:	Gre	_		EOT @:		BP/Sand	PBTD:	4630'
										Plug 5480	' 5260	'4930' 4760'
7			Davis				ION RECO			Dorfo		CDE/#abata
Zone D1 sds		<b>4566.</b>	<u>Perfs</u> -4583'		<u>SPF/#shc</u> 4/68	<u>ots</u>	-	<u>zone</u> sds	5765	<u>Perfs</u> 5-5777'		SPF/#shots 4/48
D3 sds	-		-4685'		4/28		01 0	7 3 4 3		7 0711	-	41-10
C sds	-		·4713'		4/28		<del></del>				_	
B2 sds	_		-4824'		4/40						_	
LODC sds	_		·5156'		4/72	<del></del>			<u> </u>		_	
LODC sds	-	5368-	-5374'		4/24					***		
Date Work	Dorfo	rmad		8-2-06	1				SITP		SICP:	1020
Day3c.	reno	meu	•	0-2-00	<u>,                                      </u>				3117		SICF.	1020
	RIH v	v/ frac	plug & 7'	& 7' per	fguns. S	Set plug	@ 4760'. F	Perforate	e C sds @	4706-13' &	D3 sds	@ 4678-85
w/ 4 spf for	total	of 56	shots. RU	BJ & fr	rac stage	#5 w/ 5	4,787#'s of	20/40	sand in 451	bbls of Lig	htning	17 frac fluid
												re of 1657 w
												1540.  2187 orate D1 sds
												RIH w/ dump
												Friday, dowr
casing.												
			,		FLUI	D RECC	VERY (BB	LS)				· <del>·····</del>
Starting flui	id load	to be	recovered:	17	36	Starti	ng oil rec to	date:				
Fluid <u>lost</u> /re				451			st/recovered	-			_	
Ending fluid	d to be		ered:	2187			oil recovere		I Fluid Data			بلديم الد
IFL:		FFL:		FTP: _		Choke:		rina	i Fluid Rate			oil cut:
			STIMULA			_				COST		
Base Fluid			htning 17	_ Job	Туре:	San	d frac	_		ord Services	_	\$4,400
Company:			vices	_						C frac wate	_	\$907
Procedure of	or Equi	ipmen	t detail:	C&D	3 sds do	wn casin	ıg			IPC fuel gas		\$140
								_	BJ Servic	es C&D3sds	<u> </u>	\$18,093
4410	gals o	f pad						<del></del>	NP(	Superviso Superviso	<u>r</u>	<u>\$75</u>
2944	gals w	<u>/</u> / 1-5	ppg of 20/4	0 sand				<del>a</del>	Lone Wo	of C&D3 sds	3_	\$6,300
5872	gals w	// 5-8	ppg of 20/4	0 sand		Fil	W Low W Low	- Tub	NPC w	ater transfe	<u>r</u>	\$200
1012	gals w	// 8 pp	g of 20/40	sand		<del>0</del>	CT 26 20	11			_	
<u>504 g</u>	als of	15% l	HCL acid								_	
Flush	w/ 42	00 ga	ls of slick v	vater		DW. 97	CIL, G/E &				_	
**Flus	sh calle	ed @ b	lender to i								_	
Max TP:					Total flui							
Avg TP:		_				p pmpd:	54,787#'s	<u>-</u>		2007	_	000 117
	1540		min:	_	min:		FG: <u>.76</u>		DAILY (			\$30,115
Comple	tion S	uper	/isor:	Ron S	huck	<del></del>			TOTAL W	ELL COST	:	\$426,576



7611

Day: 04

## **DAILY COMPLETION REPORT**

Report Date: August 4, 2006

WELL NAME: Ashley Federal 14-23-9-15

Completion Supervisor: Gary Dietz

·	tion			Rig:	west	ern #2	
		WELL STA	TUS				
Surf Csg: 8-5/8 @ 322'		Prod Csg:	5-1/2"@	5918'	_ Csg	PBTD:	5837'W
Tbg: Size: 2 7/8	Nt: 6.5# (	Grd: J- <u>55</u>	Pkr/ <u>EOT</u> @:	3996'	BP/Sand		4630'
					Plug 5480'	5260	4930' 476
	_	ERFORATION			D (		ODE#-1
Zone Perfs	<u>SPF/#s</u>	<u>shots</u>	Zone CDE odo	E765	Perfs		SPF/#shot 4/48
D1 sds 4566-4583'	<u>4/68</u> 4/28	<del></del>	CP5 sds	5/00	5-5777'	_	4/40
D3 sds 4678-4685' C sds 4706-4713'	4/28	<del></del>		-			
B2 sds 4814-4824'	4/40			<del></del>		-	
LODC sds 5138-5156'	4/72					-	
LODC sds 5368-5374'	4/24					_	
		<del></del>					
				OITD		0100	•
Date Work Performed: An MIRU Western #2. No pressu	ugust 3, 2006			SITP:		SICP:	
Fluid lost <u>/recovered</u> today:  Ending fluid to be recovered:	d: 2187 5 2182	Oil lost/red Cum oil re	il rec to date: covered today: covered:			- - - Final	oil cut
Fluid lost <u>/recovered</u> today: Ending fluid to be recovered:  IFL: FFL:	d: 2187 5 2182 FTP:	Starting o Oil lost/re Cum oil re Choke:	il rec to date: covered today: covered:	I Fluid Rate		_	oil cut:
Fluid lost <u>/recovered</u> today: Ending fluid to be recovered:  IFL: FFL:	d: 2187 5 2182 FTP: ATION DETAIL	Starting o Oil lost/re Cum oil re Choke:	il rec to date: covered today: covered:	I Fluid Rate	COST	<u>-</u> <u>S</u>	
Fluid lost <u>/recovered</u> today: Ending fluid to be recovered:  IFL:  STIMUL	d: 2187 5 2182 FTP:	Starting o Oil lost/re Cum oil re Choke:	il rec to date: covered today: covered:	I Fluid Rate	<u>COST</u> estern #2 rig	<u>-</u> <u>'S</u> <u> </u>	\$3,95
Fluid lost <u>/recovered</u> today:  Ending fluid to be recovered:  IFL:  FFL:  STIMUL  Base Fluid used:	d: 2187 5 2182 FTP: ATION DETAIL	Starting o Oil lost/re Cum oil re Choke:	il rec to date: covered today: covered:	I Fluid Rate	COST	<u>-</u> <u>'S</u> <u> </u>	\$3,95
Fluid lost/recovered today:  Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:	d: 2187 5 2182 FTP: ATION DETAIL	Starting o Oil lost/re Cum oil re Choke:	il rec to date: covered today: covered:	I Fluid Rate: Weath	<u>COST</u> estern #2 rig	<u>-</u> <u>-</u> -	\$3,95 \$46
Fluid lost/recovered today:  Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:	d: 2187 5 2182 FTP: ATION DETAIL	Starting o Oil lost/re Cum oil re Choke:	il rec to date: covered today: covered:	I Fluid Rate: Weath	COST estern #2 rig herford BOP	- <u>'S</u> <u> </u>  -	\$3,95 \$46 \$30
Fluid lost/recovered today:  Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:	d: 2187 5 2182 FTP: ATION DETAIL	Starting o Oil lost/re Cum oil re Choke:	il rec to date: covered today: covered:	Weath	COST estern #2 rig herford BOP IPC trucking DSI trucking	- S 1 - 1	\$3,95 \$46 \$30 \$1,00
Fluid lost/recovered today:  Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:	d: 2187 5 2182 FTP: ATION DETAIL	Starting o Oil lost/re Cum oil re Choke:	il rec to date: covered today: covered:	Weath NDS	COST estern #2 rig herford BOP IPC trucking DSI trucking		\$3,95 \$46 \$30 \$1,00 \$40
Fluid lost <u>/recovered</u> today:  Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:	d: 2187 5 2182 FTP: ATION DETAIL	Starting o Oil lost/re Cum oil re Choke:	il rec to date: covered today: covered:	Weath NOS	COST estern #2 rig herford BOP IPC trucking DSI trucking I wtr & truck m chemicals		\$3,95 \$46 \$30 \$1,00 \$40 \$30
Fluid lost/recovered today:  Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:	d: 2187 5 2182 FTP: ATION DETAIL	Starting o Oil lost/re Cum oil re Choke:	il rec to date: covered today: covered:	Weath NDS Unicher	COST estern #2 rig herford BOP IPC trucking DSI trucking I wtr & truck m chemicals ky Mt. KCL1		\$3,95 \$46 \$30 \$1,00 \$40 \$30 \$35
Fluid lost/recovered today:  Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:	d: 2187 5 2182 FTP: ATION DETAIL	Starting of Oil lost/red Cum oil red Choke:	il rec to date: covered today: covered:	Weath NOS Unicher Roc NPC sf	COST estern #2 rig herford BOP IPC trucking DSI trucking If wtr & truck m chemicals ky Mt. KCL1 c equipment	- S 1 1 1 1 1 1	\$3,95 \$46 \$30 \$1,00 \$40 \$30 \$35 \$130,00
Fluid lost/recovered today:  Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:	d: 2187 5 2182 FTP: ATION DETAIL	Starting of Oil lost/red Cum oil red Choke:	il rec to date: covered today: covered:	Weath NOS Unicher Roc NPC sf	COST estern #2 rig herford BOP IPC trucking DSI trucking I wtr & truck m chemicals ky Mt. KCL1	- S 1 1 1 1 1 1	\$3,95 \$46 \$30 \$1,00 \$40 \$30 \$35 \$130,00
Fluid lost/recovered today:  Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:	d: 2187 5 2182 FTP: ATION DETAIL	Starting of Oil lost/red Cum oil red Choke:	il rec to date: covered today: covered:	Weath NOS Unicher Roc NPC sfe	COST estern #2 rig herford BOP IPC trucking DSI trucking If wtr & truck m chemicals ky Mt. KCL1 c equipment		\$3,95 \$46 \$30 \$1,00 \$40 \$35 \$130,00 \$19,50
Fluid lost/recovered today:  Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:	d: 2187 5 2182 FTP: ATION DETAIL	Starting of Oil lost/red Cum oil red Choke:	il rec to date: covered today: covered:	Weath Weath NDS Unicher Roc NPC sfr Mecham la	COST estern #2 rig herford BOP IPC trucking DSI trucking If wtr & truck m chemicals ky Mt. KCL1 c equipment	- S 1 1 1 1 1 1 1	\$3,95 \$46 \$30 \$1,00 \$40 \$35 \$130,00 \$19,50 \$60
Fluid lost/recovered today:  Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:  Procedure or Equipment detail:	d: 2187 5 2182 FTP: ATION DETAIL Job Type:	Starting of Oil lost/red Cum oil red Choke:	il rec to date: covered today: covered:	Weath Weath NDS Unicher Roc NPC sfe Mecham la Mt. We	cost estern #2 rig herford BOP IPC trucking DSI trucking I wtr & truck m chemicals ky Mt. KCL1 c equipment abor/welding est sanitation s pit reclaim		\$3,95 \$46 \$30 \$1,00 \$30 \$35 \$130,00 \$19,50 \$60
Fluid lost/recovered today:  Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:  Procedure or Equipment detail:  Max TP:  Max Rate:	d: 2187 5 2182 FTP: ATION DETAIL Job Type: Total fl	Starting of Oil lost/red Cum oil red Choke:  Choke:  UCT  DIV. OF Oil	il rec to date: covered today: covered:	Weath Weath N NDS Unicher Roc NPC sfr Mecham la Mt. We Monk NPC loca	COST estern #2 rig herford BOP IPC trucking DSI trucking If wtr & truck m chemicals ky Mt. KCL1 c equipment abor/welding est sanitation s pit reclaim tion cleanup		\$3,95; \$46; \$30; \$1,00; \$40; \$35; \$130,00; \$19,50; \$60; \$30;
Ending fluid to be recovered:  IFL:  STIMUL  Base Fluid used:  Company:  Procedure or Equipment detail:	d: 2187 5 2182 FTP: ATION DETAIL Job Type: Total fl	Starting of Oil lost/red Cum oil red Choke:  Choke:  UCT  UW 67 011,	il rec to date: covered today: covered:	Weath Weath N NDS Unicher Roc NPC sfr Mecham la Mt. We Monk NPC loca	COST estern #2 rig herford BOP IPC trucking DSI trucking If wtr & truck m chemicals ky Mt. KCL1 c equipment abor/welding est sanitation as pit reclaim tion cleanup		\$3,95 \$46 \$30 \$1,00 \$30 \$35 \$130,00 \$19,50 \$60



80411

Day: 5

## **DAILY COMPLETION REPORT**

Report Date: August 5, 2006

**WELL NAME:** 

Ashley Federal 14-23-9-15

Operation:	Complet	ion				Rig:	Weste	rn #2	_
				STATUS					
Surf Csg: <u>8-5/8</u>	@ 322'		Prod Csg:	5-1/2"	_ @ _	5918'	Csg P		337'WL
Tbg: Size:_	<u>2 7/8</u> W	/t: <u>6.5#</u>	Grd:	55 Pkr/	<u>EOT</u> @: _	3996'	BP/Sand P		630'
		D	ERFORATI	ON RECO	BD.		Plug 5480'	5260 <sup>-</sup> 493	0.4760
<u>Zone</u>	<u>Perfs</u>	SPF/#			Zone		<u>Perfs</u>	SPF	:/#shots
	1566-4583'	<u>9(17)/(</u> 4/68	<u> </u>	_	sds	5765	-5777'	4/48	
	1678-4685'	4/28				<del></del>			
C sds	1706-4713'	4/28							
	1814-4824'	4/40							
	5138-5156'	4/72	<del></del>						
LODC sds	5368-5374'	4/24							
Date Work Perfor Open well w/ 0 psi BJ & frac stage # broke down @ 192 ISIP was 1860. 3 Cameron BOP's &  Starting fluid load of Fluid lost/recovere Ending fluid to be a IFL:	on casing. TI 6, D1 sds dow 23 psi, back to 344 bbls EWT 5M frac head.	vn casing w/ 1 1800 psi. Tre FR. RD BJ. F Instal 3M pro	76,650#'s cated @ average aver	of 20/40 sa e pressure d ack. Well f ad & Schaef	nd in 110 of 1722 willowed for BOP date:  d today:  d: d:	62 bbls of // ave rate r 4 hours	well clean. T Lightning 17 of 25.2 bpm & died w/ 25	r frac fluid w/ 8 ppg	d. Perfi of sand c'd. RI
· · · · · · · · · · · · · · · · · · ·	STIMUL	ATION DETAIL					COSTS	<u> </u>	
Base Fluid used:	Lightning 17		_	d frac		We	estern #2 rig	_	\$4,639
<del>-</del>	J Services	000 1960.	Our	u muo			nerford BOP		\$140
Procedure or Equip		 D1 sds dow	n casing		-		C frac water		\$3,046
		<b>D</b> , <b>o a o a o</b>			-		IPC fuel gas		\$470
13692 gals o	of pad						rices D1 sds		54,734
	1-5 ppg of 20	/40 sand					supervision		\$300
	v/ 5-8 ppg of 2		5	and the same of th	<u> </u>		ater transfer		\$400
<u> </u>	8 ppg of 20/4		i.						
	62 gals of slick			OCT 25	<del>-2</del> 011 -				
. 10011 177 1710	_ 35.0 07 011010		कृष्ट्रद्र है। है र ८८%	ğn (n. 912)					
			luid pmpd:						<b></b>
Avg TP: 1722			Prop pmpd:		<u>s</u> _				
ISIP: <u>1860</u>	5 min:	10 min:		FG: <u>.84</u>		DAILY C			63,729
Completion Su	ıpervisor:	Ron Shuck				TOTAL W	ELL COST:	\$6	348,367



9 of 11

Day: 06

## **DAILY COMPLETION REPORT**

WELL NAM	<u>IE:</u> Ashley Fe	deral 14-23-9-	15 Repo	ort Date: Augu	st 8, 2006		Day: <u>06</u>
Operati	on: <u>Compl</u> e	etion			Rig: _	Western #	12
			WELL STA	TUS			
Surf Csg: 8-	5/8' @ 322 <b>'</b>		Prod Csg:	5-1/2"      @	5918'	Csg PBTD	: <u>5896'</u>
Tbg: Si	ze: 2 7/8	Wt: 6.5#	Grd: J-55	Pkr/ <u>EOT</u> @:	5833'	BP/Sand PBTD	: 5896'
			PERFORATION	RECORD			
<u>Zone</u>	<u>Perfs</u>	-	shots	Zone	<u> </u>	<u>Perfs</u>	SPF/#shots
D1 sds	4566-4583'	4/68		CP5 sds	5765-	5777'	4/48
D3 sds	4678-4685'	4/28					
C sds	4706-4713'	4/28					
B2 sds	4814-4824'	4/40_					
LODC sds	5138-5156'	4/72					
LODC sds	5368-5374'	4/24					
D ( 14/ L D					OITD.	F0 6100	). 7E
Date Work Po	<del></del>	ugust 7, 2006	-	4 0/40 001 0	SITP:		
Bleed well o	ff. Rec est 10 B	F. TIH W/ use	ed Weatherford	4 3/4" "Chomp"	bit, bit sub	& tbg. Tag fill (	@ 4551'. ID:
displaced 11	BW on TIH. RU $_{ m I}$ d @ 4551', plug (	power swivel.	C/O sa & ariii oi	ut composite or	lage plugs a	s tollows (using	1830' plua (
circulation): se	a @ 4551, plug ( inutes, sd @ 5166	@ 4620 IN 32	minutes; sa @ 4	7/25, plug @ 4	1/00 III 10 I	ninutes, su @ 2	4030, piug ( wivelling its i
4930 in 22 mi	mutes, sa @ 5160 @ 5782'. Drill plu	o, piug @ 5∠60	In 29 minutes,	no sa, plug @ c	9400 III 30 II	RW lost during	cleanout RI
	OT to 5833'. SIF			o. Circ noie d	ean W/ 150	DVV 105t during	Cicariout. Th
		_	LUID RECOVE				
_	oad to be recovere			il rec to date:			
Fluid lost/reco		109	-	covered today:			
Ending fluid to	be recovered:	2046 FTP:	Cum oil re Choke:		Fluid Rate:	Fina	l oil cut:
IFL:				Fillat			
Base Fluid use	•	_ATION DETAI Job Type:	_		\//ρς	COSTS stern #2 rig	\$5,833
Company:	a	Job Type.		<del></del> .		erford BOP	\$210
	Equipment detail:			•		RBS swivel	\$750
				•		rtr disposal	\$3,000
						CDI TA	\$525
						CDI SN	\$80
				PECEIVE	D NPC s	supervision	\$300
				OCT 2 6 20	4		
		·····		· · · · · · ·		·	
			Dist.	<u>. 67 cel, G</u> AS & M	ENING		
Max TP:	May Poto:	Total	fluid pmpd:			<del></del>	
Max IP: Avg TP:	<del></del>		Prop pmpd:	<del></del>			
ISIP:	Avg Kate: 5 min:	10tai 10 min:		······································	DAILY CO	OST:	\$10,698
Completio	n Supervisor:	—— Gary Dietz			TOTAL WE	LL COST:	\$659,065



100f1

Day: 07

## **DAILY COMPLETION REPORT**

Report Date: August 9, 2006

Ashley Federal 14-23-9-15

WELL NAME:

Ope	ration	: Completion					Rig:	West	ern #2	<u> </u>
		·		WE	LL STAT	US				
Surf Csg:	8-5/8	' @ <b>322'</b>		Prod C		-1/2" @	5918'	Csal	PBTD:	5896'
Tbg:	Size:	. – – –	6.5#	Grd:	J-55	Anchor @:	5743'	BP/Sand		5896'
						_				
<b>-</b>		D. G	-		RATION F			Doufo		SPF/#shots
Zone D1 ode		Perfs	<u>5PF/i</u> 4/68	<u>#shots</u>		<u>Zone</u> CP5 sds	5765.	<u>Perfs</u> -5777'		4/48
D1 sds D3 sds	-	4566-4583' 4678-4685'	4/00			CF3 Sus		·3///	-	4/40
C sds	-	4706-4713'	4/28			*****	-		-	
B2 sds	_	4814-4824'	4/40						-	
LODC sds	-	5138-5156'	4/72						-	
LODC sds	_	5368-5374'	4/24						-	
LODG Sus	<u>-</u>	3300-337-4					<u> </u>			
Date Work	. Dorfe	armadı Augu	at 0 2006				SITP:	0	SICP:	0
			st 8, 2006	-	400	DTE M// Park			-	
KU swab	equipi	ment. IFL @ 100'.	Made 16	swb run	is rec 166	OBIF VV/ ligh	t gas, troll &	t no sand.	77L @	potroil IF
VV/ tbg. 1	ag sa	@ 5891' (5' new fi I W/ tbgLD bit. T	II). C/O S(	1 10 PB	יספ שט טו duction th	90. Circ noi	e Clean. LO	it tha SN	vv ox ≀' 1 it tha	
1/2" TA (A)	]. 1 OF	181 jts 2 7/8 8rd 6.	101 VV/ DD/ 5# 1_55 th/	A & PIOC	OD Set	g as 10110ws. ΤΔ @ 5743'\	Z 7/0 NO, 1 N/ SN @ 57	ル 10g, 314, 78' & FOT /	7) LIDE 20) 5.81	, new oblice 1' I and the
\\\\\\ 16 000	JN) Q # tenci	on. NU wellhead.	DII & TIU	j. NU B IW/ nun	nn and ro	d etring to 16	50' Pilnol	ished rod &	SIFN	W/ est 194
BWTR.	# (CIISI	on. No weimeau.	FU & TILL	. vv/ pun	np and 10	d string to 10	00 . 1 O poi	isrica roa a	On IV	117 001 10-11
Starting flu		I to be recovered: _	2046 101	_ s	starting oil	Y (BBLS) rec to date: overed today:			_	
-			1945	_	um oil red	•			-	
_	00'		FTP:	_	oke:		I Fluid Rate:		- Final	oil cut: <u>tr</u>
		STIMULATI	ON DETAI	L		<del></del>		COST	S	
Base Fluid	used:		Job Type:				We	stern #2 rig		\$5,575
Company:		****	<b>J.</b>			<u> </u>		erford BOP	-	\$210
• •	or Eau	ipment detail:					N	PC trucking	<del>-</del> !	\$300
	•						NPC	supervision	<del>-</del> <u>-</u>	\$300
									-	
							<u> </u>		- -	
									_	
						OCT 26 20	11		-	-
					DIM C	<del>yeri, d</del> igal	<del>minia</del>		_	
Max TP	:	Max Rate:		fluid pm					-	
Avg TP		Avg Rate:		Prop pn	· —	<del></del>			-	
ISIP:		5 min:	10 min:		FG	j:	DAILY C			\$6,385
Comple	etion S	Supervisor:	Gary Dietz	<u>:</u>			IOIAL W	ELL COST:		\$665,450



11 of 11

#### **DAILY COMPLETION REPORT**

	<u>:LL NAME:</u> _		ederai 14-					10, 2006			
	Operation:	Comp	letion					Rig:	Wes	tern #2	2
				V	WELL STAT	US					<del></del>
Surf (	Csg: 8-5/8	@ 322	2'	-			<u>D</u>	5918'	Csg	PBTD:	5896'
Tbg:	Size:	2 7/8	Wt: 6.	5# Grd:	J-55	Anchor	@: <u> </u>	5743'	BP/Sand	PBTD:	5896'
				PERE	ORATION R	RECORD					
Zo	ne	<u>Perfs</u>		SPF/#shots		Zone			<u>Perfs</u>		SPF/#shots
D1 sc	ds _	4566-4583'		4/68	_	CP5 sds		5765-	5777'	_	4/48
D3 sc		4678-4685'		4/28	<u> </u>						
C sds		4706-4713'	<del> </del>	4/28	<del></del>					_	
B2 sc		4814-4824'	<u> </u>	4/40	_						
		5138-5156' 5269 5274'		4/72 4/24	_					_	
יטטי	C sds !	5368-5374'		4/24	_						
		_							_	0100	•
	Work Perfor	_	August 9,					SITP:		SICP:	
Con	't PU & TIH V o, 6-1 1/2" we	N/ pump and	d "B" grade	rod string	f/ 1650' (con	nplete as f	ollows	): new Cl	DI 2 1/2" X	(11/2" o'1/4"	X 15' KHA
ony	rods and 1.1	/2" X 22' no	J-3/4 SCra lished rod	pered rous. Seat num	, 115-3/4 pi	alli rous, 9 Inina unit	9-3/4 Fill th	a W/ 2 R	W Press	o, 1 <del>-4</del> ure test	t tha & num
	0 psi. Stroke									u. 0 100	. tog a pain
Place	well on pro L REPORT!!	duction @	12:00 PM	8/9/2006 W	// 86" SL @	4.5 SPM.					
				FLUID	RECOVER	V (BBI S)					
Starti	ng fluid load	to be recove	red: 19	45		I (DDLO)					
	<u>lost/</u> recovere	d today:	2		Starting oil	rec to date	):				
	g fluid to be				Oil lost/rec	rec to date					
IFL:		_	1945		Oil lost/reco	rec to date overed tod overed:	ay:				-!! <b>.</b>
		FFL:	1945 FTP:		Oil lost/reco	rec to date overed tod overed:	ay:	uid Rate:			oil cut:
	TUBIN	_			Oil lost/reco	rec to date overed tod overed:	ay:		cos	<u></u>	
		FFL:		R	Oil lost/reco	rec to date overed tod overed: F	ay:	We	stern #2 ri	<u>TS</u>	\$2,177
	12.00'	FFL:	FTP:	1 1/2" X 22	Oil lost/reco	rec to date overed tod covered: F	ay:	We CD	stern #2 ri	<u>ТЅ</u> g р	\$2,177 \$1,400
	12.00' 2 7/8 J-55 tb	FFL:	FTP:	1 1/2" X 22	Oil lost/reco	rec to date overed tod covered: F	ay:	We CD "B" grad	stern #2 ri I rod pum e rod strin	T <b>S</b> g p	\$2,177 \$1,400 \$11,095
	12.00'	FFL:	FTP:	1 1/2" X 22 1-8',1-4' &	Oil lost/reco	rec to date overed tod covered: F	ay:	We CD "B" grad	stern #2 ri	T <b>S</b> g p	\$2,177 \$1,400
181	12.00' 2 7/8 J-55 tb	FFL: IG DETAIL og (5731.01') 5743.01' KE	FTP:	1 1/2" X 22 1-8',1-4' &	Oil lost/reco	rec to date overed tod covered: F	inal Flu	We CD "B" grad	stern #2 ri I rod pum e rod strin	T <b>S</b> g p g	\$2,177 \$1,400 \$11,095
181	12.00' 2 7/8 J-55 tb TA (2.80' @	FFL:	FTP:	1 1/2" X 22 1-8',1-4' & 99-3/4" sc 115-3/4" p	Oil lost/reco	rec to date overed tod covered:  Food	inal Flu	We CD "B" grad Zub PC frac tk	stern #2 ri I rod pum e rod strin iate HO tr	TS g p g k s)	\$2,177 \$1,400 \$11,095 \$350 \$2,880
181	12.00' 2 7/8 J-55 tb TA (2.80' @ 2 7/8 J-55 tb	FFL:	FTP:	1 1/2" X 22 1-8',1-4' & 99-3/4" sc 115-3/4" p	Oil lost/reco	rec to date overed tod covered:  Food	inal Flu	We CD "B" grad Zub PC frac tk	stern #2 ri Il rod pum e rod strin siate HO tr	TS g p g ck s)	\$2,177 \$1,400 \$11,095 \$350
181	12.00' 2 7/8 J-55 tb TA (2.80' @ 2 7/8 J-55 tb SN (1.10' @	FFL:	FTP:	1 1/2" X 22 1-8',1-4' & 99-3/4" sci 115-3/4" p 10-3/4" sci 6-1 1/2" we	Oil lost/reco	rec to date overed tod covered:  Food ponies	inal Flu	We CD "B" grad Zub PC frac tk NPC sw	stern #2 ri I rod pum e rod strin iate HO tr ss(9X8 dys b tk (5 dys	TS g p g ck s)	\$2,177 \$1,400 \$11,095 \$350 \$2,880 \$200 \$500
181 1 1	12.00' 2 7/8 J-55 tb TA (2.80' @ 2 7/8 J-55 tb SN (1.10' @ 2 7/8 J-55 tb	FFL:	FTP:	1 1/2" X 22 1-8',1-4' & 99-3/4" sci 115-3/4" p 10-3/4" sci 6-1 1/2" w CDI 2 1/2"	Oil lost/reco	rec to date overed tod covered:  Food ponies 5'	inal Flu	We CD "B" grad Zub PC frac tk NPC sw NPC	stern #2 ri Il rod pum e rod strin siate HO tr ss(9X8 dys b tk (5 dys C frac hea	TS g p g k s) s)	\$2,177 \$1,400 \$11,095 \$350 \$2,880 \$200
181 1 1	12.00' 2 7/8 J-55 tb TA (2.80' @ 2 7/8 J-55 tb SN (1.10' @ 2 7/8 J-55 tb 2 7/8 NC (.4	FFL:	FTP:	1 1/2" X 22 1-8',1-4' & 99-3/4" sci 115-3/4" p 10-3/4" sci 6-1 1/2" w CDI 2 1/2"	Oil lost/reco	rec to date overed tod covered:  Food ponies 5'	inal Flu	We CD "B" grad Zub PC frac tk NPC sw NPC	stern #2 ri Il rod pum e rod strin siate HO tr ss(9X8 dys b tk (5 dys C frac hea	TS g p g k s) s)	\$2,177 \$1,400 \$11,095 \$350 \$2,880 \$200 \$500 \$28,268
181	12.00' 2 7/8 J-55 tb TA (2.80' @ 2 7/8 J-55 tb SN (1.10' @ 2 7/8 J-55 tb 2 7/8 NC (.4	FFL:	FTP:	1 1/2" X 22 1-8',1-4' & 99-3/4" sci 115-3/4" p 10-3/4" sci 6-1 1/2" w CDI 2 1/2"	Oil lost/reco	rec to date overed tod covered:  Food ponies 5'	inal Flu	We CD "B" grad Zub PC frac tk NPC sw NPC	stern #2 ri Il rod pum e rod strin siate HO tr ss(9X8 dys b tk (5 dys C frac hea	TS g p g k s) s)	\$2,177 \$1,400 \$11,095 \$350 \$2,880 \$200 \$500 \$28,268
181	12.00' 2 7/8 J-55 tb TA (2.80' @ 2 7/8 J-55 tb SN (1.10' @ 2 7/8 J-55 tb 2 7/8 NC (.4	FFL:	FTP:	1 1/2" X 22 1-8',1-4' & 99-3/4" sci 115-3/4" p 10-3/4" sci 6-1 1/2" w CDI 2 1/2"	Oil lost/reco	rec to date overed tod covered:  Food ponies 5'	inal Flu	We CD "B" grad Zub PC frac tk NPC sw NPC	stern #2 ri Il rod pum e rod strin siate HO tr ss(9X8 dys b tk (5 dys C frac hea	TS g p g k s) s)	\$2,177 \$1,400 \$11,095 \$350 \$2,880 \$200 \$500 \$28,268

OCT 26 2011

Completion Supervisor: Gary Dietz

TOTAL WELL COST: \_\_\_\_

## **ATTACHMENT H**

## WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.		Set CIBP @ 4516'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	182' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4.	Plug #3	120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5.	Plug #4	Pump 43 sx Class "G" cement down 5 1/2" casing to 372'

The approximate cost to plug and abandon this well is \$42,000.

Ashley Federal #14-23-9-15

RECEIVED OCT 26 2011

# Ashley Federal 14-23-9-15

Spud Date:06/28/2006 Put on Production: 08/09/06

GL: 6382' KB: 6394'

Proposed P & A Wellbore Diagram

Cement Top @ 270'

Casing Shoe @ 322'

Initial Production: BOPD, MCFD, BWPD

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (310.

LENGTH: 7 jts. (310.49') DEPTH LANDED: 322.34' KB

HOLE SIZE:12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 135 jts. (5904.11') DEPTH LANDED: 5917.90' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 305 sxs Prem. Lite II mixed & 452 sxs 50/50 POZ.

CEMENT TOP: 270'

120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below (1438'-1558')

Pump 43 sx Class "G" Cement down 5-1/2" casing to 372'

182' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale (2710'-2892')

100' (12 sx) Class G Cement plug on top of CIBP

CIBP @ 4516'

4566-4583

4678-4685

4706-4713'

4814-4824'

5138-5156'

5368-5374

5765-5777

PBTD @ 5896'

SHOE @ 5918'

TD @ 5930'

OCT 26 2011

OF OIL, GAS & MINING JL 10/13/2011



#### Ashley Federal 14-23-9-15

751' FNL & 1957' FWL SE/SW Section 23-T9S-R15E Duchesne Co, Utah

API #43-013-32817; Lease #UTU-66185

Sundry Number: 49537 API Well Number: 43013328170000

	STATE OF UTAH			FORM 9
NEWWORKS AND AND AND AND AND AND AND AND AND AND	DEPARTMENT OF NATURAL RESOURDIVISION OF OIL, GAS, AND M		à	5.LEASE DESIGNATION AND SERIAL NUMBER:
	amenoranyottaani inamani noranyorani anahaminin minyorani anahaminin ma			UTU-66185
SUNDF	RY NOTICES AND REPORTS	S ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significant reenter plugged wells, or to drill hori n for such proposals.			7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	a an ann aige (de tha thair) an the an earn an an ead thair de ann i stainne an ead tha an an an an air air ai		ne en se se se se se se se se se se se se se	8. WELL NAME and NUMBER: ASHLEY FED 14-23-9-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY			9. API NUMBER: 43013328170000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-48		ONE NUMBER:	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0763 FSL 1960 FWL	22 may de 1990 (1990 (1990 (1990 (1990 (1990 (1990 (1990 (1990 (1990 (1990 (1990 (1990 (1990 (1990 (1990 (1990	agent and the second	annonnous kalagia yöhki killööttöötö taisioin kaisen kunnya gappajati Sakalakoon kaisikan koon osistaan yyyköö	COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNS Qtr/Qtr: SESW Section: 2	<b>HIP, RANGE, MERIDIAN:</b> 23 Township: 09.0S Range: 15.0E Mei	ridian:	s	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDIC	ATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		en minemateri errenda egaleziona	TYPE OF ACTION	erite erite erite erite erite erite erite erite erite erite erite erite erite erite erite erite erite erite er
The Control of the Co	ACIDIZE		ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	✓ CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN		FRACTURE TREAT	NEW CONSTRUCTION
3/28/2014	OPERATOR CHANGE	П	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	_	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	_	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
on indicate control of the control o	TURING REPAIR		/ENT OR FLARE	WATER DISPOSAL
DRILLING REPORT				
Report Date:	☐ WATER SHUTOFF		SI TA STATUS EXTENSION	L APD EXTENSION
	WILDCAT WELL DETERMINATION	، لا	OTHER	OTHER:
k	COMPLETED OPERATIONS. Clearly show	•	•	• •
i ne above rete	erence well was put on injection 03/28/2014.	ction	at 12:00 PM on	Accepted by the Utah Division of Oil, Gas and Mining
On the control of the				Date: April 16, 2014
- Alexandra de la companya de la com				By: Lacyll
	5.			
**************************************				
.v	. 74			
NAME (PLEASE PRINT)	PHONE NUN		TITLE _	$-199 - c_{1} + c_{2} + c_{3} + c_{4}$
Lucy Chavez-Naupoto	435 646-4874		Water Services Technician	
SIGNATURE N/A			<b>DATE</b> 4/2/2014	

Sundry Number: 47738 API Well Number: 43013328170000

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	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURC DIVISION OF OIL, GAS, AND MIN	<del></del>	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-66185
SUNDR	Y NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, i FOR PERMIT TO DRILL form	posals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.	deepen existing wells below ntal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	амен <sup>д</sup> антимительного ман нун обторого манасти на настройнения на принцения на при		8. WELL NAME and NUMBER: ASHLEY FED 14-23-9-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY	ommunicative (1980) (1980) (1980) (1980) (1980) (1980) (1980) (1980) (1980) (1980) (1980) (1980) (1980) (1980)	9. API NUMBER: 43013328170000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT,	. 84052 435 646-4825	PHONE NUMBER:	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE:			COUNTY: DUCHESNE
0763 FSL 1960 FWL QTR/QTR, SECTION, TOWNSH Ott/Otr: SESW Section: 2	HP, RANGE, MERIDIAN: 3 Township: 09.0S Range: 15.0E Merid	ian: S	STATE: UTAH
111.	aasisis Moodaa ka gaalaa ahay ahaa ahaa ka dhaa ahaa ahaa ahaa ahaa a	MANDERPLANGERALE NO METRICA ELECTRONIS DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DEL COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DEL COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DEL COMPANIO DE LA COMPANIO DEL COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO	
CHEC	K APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Дайондо с начавач у от в 1800 год дой донно осно надоления у дого у ставения осно с од садо удеба на вайо с начавачись за ода.	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date dork diff state.	✓ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
1/29/2014	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: New Perforations
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	COMPLETED OPERATIONS. Clearly show a las been converted from a p		Accepted by the
-	/28/2014. New interval perfo	_	
	014 Chris Jensen with the St		Oil, Gas and Mining
	rning the initial MIT on the a		Date: February 12, 2014
	ing was pressured up to 160		00/1000 8
	pressure loss. The well was		By:
<b>.</b>	ssure was 100 psig during th presentative available to witr		
Otate rep	oresemante available to with	less the test.	
NAME (PLEASE PRINT)	PHONE NUMB	ER TITLE	
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician	
SIGNATURE N/A		<b>DATE</b> 2/10/2014	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s

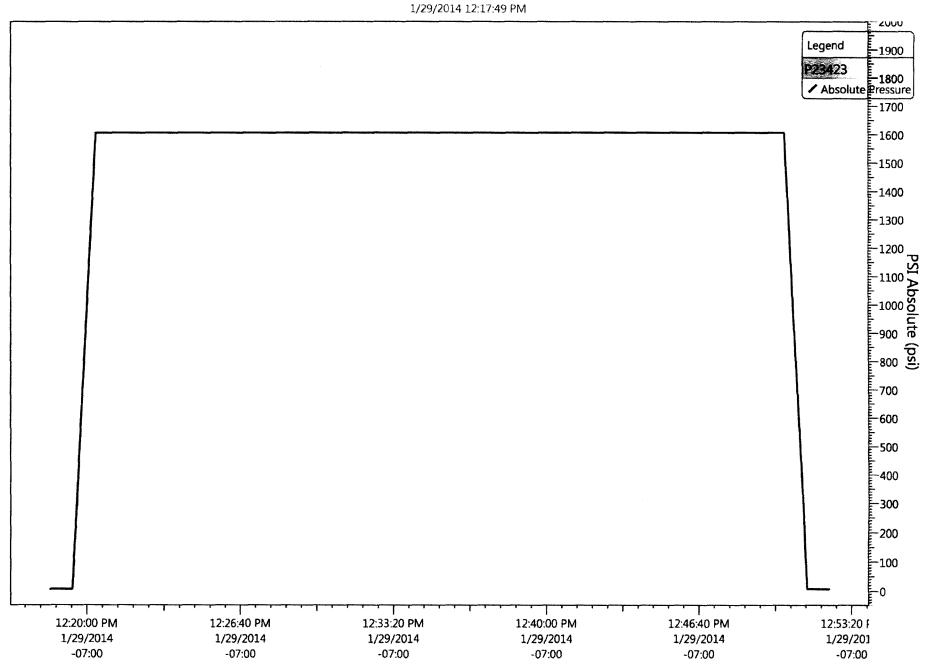
Sundry Number: 47738 API Well Number: 43013328170000

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company Rt. 3 Box 3630 Myton, UT 84052 435-646-3721

Witness:	Date   129114	Time 12:20	∕am, pm
Test Conducted by: Jonny Do	مسواح		
Others Present:			
-			
Well: Ashle 14-23-9-15	Field: Mo	ument Butte	
Well Location: SE/SW Sec 23, T9:	, RISTE API No: 42	1332817	
Duckesne county		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
<u>Time</u>	<b>Casing Pressure</b>		
0 min	lloole	psig	
5	1407	psig	
10	1607	psig	
15	7001	psig	
20	1607	psig	
25	luot	psig	
30 min	1407	psig	
35		psig	
40	`	psig	
45		psig	
50		psig	
55		psig	
60 min	*	psig	
Tubing pressure:	100	psig	
Result:	Pass	-ail	
Signature of Witness:			_
	cting Test:		<del></del>

Ashley 14-23-9-15



Sundry Number: 47738 API Well Number: 43013328170000 Summary Rig Activity

## **Daily Activity Report**

Format For Sundry ASHLEY 14-23-9-15 11/1/2013 To 3/28/2014

1/22/2014 Day: 1

Conversion

Nabors #1406 on 1/22/2014 - MIRUSU, Unseat pump & flush tbg, Soft seat pump & test tbg to 3,000 psi, Good test, LD 99-3/4" rods - SIRU/ DERRICK INSPECTION - Travel time - SOFT SEAT ROD STRING, BREAK OFF FLOW TEE, FILL TBG 25 BBLS, TEST TO 3000 PSI (GOOD) - RETRIEVE ROD STRING, LD SUBS, LD 99 3/4" GUIDED RODS, PU POLISH ROD, SWIFN, SDFN - Travel time - SIRU/ DERRICK INSPECTION - ND UNIT, LD HORSE HEAD, PULL PUMP OFF SEAT, FLUSH TBG 35 BBLS - SOFT SEAT ROD STRING, BREAK OFF FLOW TEE, FILL TBG 25 BBLS, TEST TO 3000 PSI (GOOD) - RETRIEVE ROD STRING, LD SUBS, LD 99 3/4" GUIDED RODS, PU POLISH ROD, SWIFN, SDFN - Travel time - SIRU/ DERRICK INSPECTION - ND UNIT, LD HORSE HEAD, PULL PUMP OFF SEAT, FLUSH TBG 35 BBLS - SOFT SEAT ROD STRING, BREAK OFF FLOW TEE, FILL TBG 25 BBLS, TEST TO 3000 PSI (GOOD) - RETRIEVE ROD STRING, LD SUBS, LD 99 3/4" GUIDED RODS, PU POLISH ROD, SWIFN, SDFN - ND UNIT, LD HORSE HEAD, PULL PUMP OFF SEAT, FLUSH TBG 35 BBLS Finalized

Daily Cost: \$0

**Cumulative Cost: \$6,748** 

1/24/2014 Day: 3

Conversion

Nabors #1406 on 1/24/2014 - PU WFT 5 1/2" pkr & plug, Set tools & break down GB-6 formation, Fill & test csg to 1000 psi, Good test. - Crew Travel - Crew Travel - Spot in tbg trailer, Tally & prep. 1st row. - Spot in tbg trailer, Tally & prep. 1st row. - MU WFT 5 1/2" PKR & PLUG, PU 129-jts 2 7/8" N-80 tbg, MU wash std & install washingtonn rubber. - MU WFT 5 1/2" PKR & PLUG, PU 129-jts 2 7/8" N-80 tbg, MU wash std & install washingtonn rubber. -MU wash std & install washingtonn rubber, Set RBP @ 4130', TOOH w/ 4-jts, Set PKR @ 4020', EOT @ 4130' - MU wash std & install washingtonn rubber, Set RBP @ 4130', TOOH w/ 4-jts, Set PKR @ 4020', EOT @ 4130' - RU Advantage hot oil truck to tbg, Fill tbg w/ 20 bbls water, Break down GB-6 formation @ 1800 psi, ISIP 900 psi, Fill csg w/ 55 bbls, Test csg to 1000 psi, Good test, - RU Advantage hot oil truck to tbg, Fill tbg w/ 20 bbls water, Break down GB-6 formation @ 1800 psi, ISIP 900 psi, Fill csg w/ 55 bbls, Test csg to 1000 psi, Good test. - Release PKR & TIH w/ 4 jts. to drop fluid level, TOOH w/ 4-jts, MU frac valve, SWI - Release PKR & TIH w/ 4 jts. to drop fluid level, TOOH w/ 4-jts, MU frac valve, SWI - Crew Travel -Crew Travel - CREW TRAVEL, JSA, JSP, START EQUIPTMENT - CREW TRAVEL, JSA, JSP, START EQUIPTMENT - TBG O PSI, CSG O PSI, CONTINUE TO POOH LD ROD STRING, LD SINKER BARS, LD PUMP - TBG O PSI, CSG O PSI, CONTINUE TO POOH LD ROD STRING, LD SINKER BARS, LD PUMP - X-0 TBG EQUIPTMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOPS, RU WORK FLOOR - X-0 TBG EQUIPTMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOPS, RU WORK FLOOR - PU 2 JNTS, TAGGING FILL @ 5860, LD 2 JNTS, PULL TO DERRICK W/ 126 JNTS BREAKING, CLEANING, AND DOPING EACH COLLAR, LD 55 JNTS, TAC, 1 JNT, SN, 1 JNT, NC - PU 2 JNTS, TAGGING FILL @ 5860, LD 2 JNTS, PULL TO DERRICK W/ 126 JNTS BREAKING, CLEANING, AND DOPING EACH COLLAR, LD 55 JNTS, TAC, 1 JNT, SN, 1 JNT, NC -RU EXTREME WIRE LINE, RIH W/ 4 3/4" GUAGE RING TO 4600', MU & RIH W/ 3 1/8" DISPOSABLE SLICK GUNS & PERFORATE GB-6 @ 4060'-4071' (16g, 0.34 EH, 21.00 pen. 3 SPF), POOH & RD WIRE LINE, SWIFN, SDFN - RU EXTREME WIRE LINE, RIH W/ 4 3/4" GUAGE RING TO 4600', MU & RIH W/ 3 1/8" DISPOSABLE SLICK GUNS & PERFORATE GB-6 @ 4060'-4071' (16g, 0.34 EH, 21.00 pen. 3 SPF), POOH & RD WIRE LINE, SWIFN, SDFN - Travel time -Travel time - Crew Travel - Crew Travel - Spot in tbg trailer, Tally & prep. 1st row. - Spot in tbg trailer, Tally & prep. 1st row. - MU WFT 5 1/2" PKR & PLUG, PU 129-jts 2 7/8" N-80 tbg, MU wash std & install washingtonn rubber. - MU WFT 5 1/2" PKR & PLUG, PU 129-jts 2 7/8" N-

80 tbg, MU wash std & install washingtonn rubber. - MU wash std & install washingtonn rubber, Set RBP @ 4130', TOOH w/ 4-jts, Set PKR @ 4020', EOT @ 4130' - MU wash std & install washingtonn rubber, Set RBP @ 4130', TOOH w/ 4-jts, Set PKR @ 4020', EOT @ 4130' - RU Advantage hot oil truck to tbg, Fill tbg w/ 20 bbls water, Break down GB-6 formation @ 1800 psi, ISIP 900 psi, Fill csg w/ 55 bbls, Test csg to 1000 psi, Good test. - RU Advantage hot oil truck to tbg, Fill tbg w/ 20 bbls water, Break down GB-6 formation @ 1800 psi, ISIP 900 psi, Fill csq w/ 55 bbls, Test csq to 1000 psi, Good test. - Release PKR & TIH w/ 4 jts. to drop fluid level, TOOH w/ 4-jts, MU frac valve, SWI - Release PKR & TIH w/ 4 jts. to drop fluid level, TOOH w/ 4-jts, MU frac valve, SWI - Crew Travel - Crew Travel - CREW TRAVEL, JSA, JSP, START EQUIPTMENT - CREW TRAVEL, JSA, JSP, START EQUIPTMENT - TBG O PSI, CSG 0 PSI, CONTINUE TO POOH LD ROD STRING, LD SINKER BARS, LD PUMP - TBG O PSI, CSG 0 PSI, CONTINUE TO POOH LD ROD STRING, LD SINKER BARS, LD PUMP - X-0 TBG EQUIPTMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOPS, RU WORK FLOOR - X-0 TBG EQUIPTMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOPS, RU WORK FLOOR - PU 2 JNTS, TAGGING FILL @ 5860, LD 2 JNTS, PULL TO DERRICK W/ 126 JNTS BREAKING, CLEANING, AND DOPING EACH COLLAR, LD 55 JNTS, TAC, 1 JNT, SN, 1 JNT, NC - PU 2 JNTS, TAGGING FILL @ 5860, LD 2 JNTS, PULL TO DERRICK W/ 126 JNTS BREAKING, CLEANING, AND DOPING EACH COLLAR, LD 55 JNTS, TAC, 1 JNT, SN, 1 JNT, NC - RU EXTREME WIRE LINE, RIH W/ 4 3/4" GUAGE RING TO 4600', MU & RIH W/ 3 1/8" DISPOSABLE SLICK GUNS & PERFORATE GB-6 @ 4060'-4071' (16g, 0.34 EH, 21.00 pen. 3 SPF), POOH & RD WIRE LINE, SWIFN, SDFN - RU EXTREME WIRE LINE, RIH W/ 4 3/4" GUAGE RING TO 4600', MU & RIH W/ 3 1/8" DISPOSABLE SLICK GUNS & PERFORATE GB-6 @ 4060'-4071' (16q, 0.34 EH, 21.00 pen. 3 SPF), POOH & RD WIRE LINE, SWIFN, SDFN - Travel time - Travel time - Crew Travel -Crew Travel - Spot in tbg trailer, Tally & prep. 1st row. - Spot in tbg trailer, Tally & prep. 1st row. - MU WFT 5 1/2" PKR & PLUG, PU 129-jts 2 7/8" N-80 tbg, MU wash std & install washingtonn rubber. - MU WFT 5 1/2" PKR & PLUG, PU 129-jts 2 7/8" N-80 tbg, MU wash std & install washingtonn rubber. - MU wash std & install washingtonn rubber, Set RBP @ 4130', TOOH w/ 4-jts, Set PKR @ 4020', EOT @ 4130' - MU wash std & install washingtonn rubber, Set RBP @ 4130', TOOH w/ 4-jts, Set PKR @ 4020', EOT @ 4130' - RU Advantage hot oil truck to tbg, Fill tbg w/ 20 bbls water, Break down GB-6 formation @ 1800 psi, ISIP 900 psi, Fill csg w/ 55 bbls, Test csg to 1000 psi, Good test. - RU Advantage hot oil truck to tbg, Fill tbg w/ 20 bbls water, Break down GB-6 formation @ 1800 psi, ISIP 900 psi, Fill csg w/ 55 bbls, Test csg to 1000 psi, Good test. - Release PKR & TIH w/ 4 jts. to drop fluid level, TOOH w/ 4-jts, MU frac valve, SWI - Release PKR & TIH w/ 4 its. to drop fluid level, TOOH w/ 4-its, MU frac valve, SWI - Crew Travel - Crew Travel - CREW TRAVEL, JSA, JSP, START EQUIPTMENT -CREW TRAVEL, JSA, JSP, START EQUIPTMENT - TBG O PSI, CSG 0 PSI, CONTINUE TO POOH LD ROD STRING, LD SINKER BARS, LD PUMP - TBG O PSI, CSG 0 PSI, CONTINUE TO POOH LD ROD STRING, LD SINKER BARS, LD PUMP - X-0 TBG EQUIPTMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOPS, RU WORK FLOOR - X-0 TBG EQUIPTMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOPS, RU WORK FLOOR - PU 2 JNTS, TAGGING FILL @ 5860, LD 2 JNTS, PULL TO DERRICK W/ 126 JNTS BREAKING, CLEANING, AND DOPING EACH COLLAR, LD 55 JNTS, TAC, 1 JNT, SN, 1 JNT, NC - PU 2 JNTS, TAGGING FILL @ 5860, LD 2 JNTS, PULL TO DERRICK W/ 126 JNTS BREAKING, CLEANING, AND DOPING EACH COLLAR, LD 55 JNTS, TAC, 1 JNT, SN, 1 JNT, NC - RU EXTREME WIRE LINE, RIH W/ 4 3/4" GUAGE RING TO 4600', MU & RIH W/ 3 1/8" DISPOSABLE SLICK GUNS & PERFORATE GB-6 @ 4060'-4071' (16g, 0.34 EH, 21.00 pen. 3 SPF), POOH & RD WIRE LINE, SWIFN, SDFN - RU EXTREME WIRE LINE, RIH W/ 4 3/4" GUAGE RING TO 4600', MU & RIH W/ 3 1/8" DISPOSABLE SLICK GUNS & PERFORATE GB-6 @ 4060'-4071' (16g, 0.34 EH, 21.00 pen. 3 SPF), POOH & RD WIRE LINE, SWIFN, SDFN - Travel time - Travel time

Daily Cost: \$0

Cumulative Cost: \$34,920

1/28/2014 Day: 5

Conversion

Nabors #1406 on 1/28/2014 - Press Test Tbg. Set PKR. NU WH. Press test CSG. - CREW

TRAVEL, JSA, JSP, START EQUIPTMENT - CREW TRAVEL, JSA, JSP, START EQUIPTMENT - SET PACKER @ 4020, RU NABORS FRAC, PRESSURE UP BS TO 500 PSI, SAFETY MEETING - SET PACKER @ 4020, RU NABORS FRAC, PRESSURE UP BS TO 500 PSI, SAFETY MEETING - Press test. Frac GB-6 formation w/ 30,100# 20/40 white sand @ psi max press, 3233 psi avg press. 20 BPM max arte, 17.8 avg rate, ISIP 1539psi FG.83, 332 Total bbls pumped - Press test, Frac GB-6 formation w/ 30,100# 20/40 white sand @ psi max press, 3233 psi avg press. 20 BPM max arte. 17.8 avg rate. ISIP 1539psi FG.83. 332 Total bbls pumped - FLOW BACK WELL UP TBG WELL FLOWING BCK 200 BBLS BEFORE DYIING - FLOW BACK WELL UP TBG WELL FLOWING BCK 200 BBLS BEFORE DYIING - RELEASE PACKER, RIH TAGGING 30 FT OF FILL ON PLUG @ 4100, WASH DWN OVER PLUG, ROLL HOLE CLEAN, RELEASE PLUG, WELL GOING ON VACUUM - RELEASE PACKER, RIH TAGGING 30 FT OF FILL ON PLUG @ 4100, WASH DWN OVER PLUG, ROLL HOLE CLEAN, RELEASE PLUG, WELL GOING ON VACUUM - LD 128 JNTS OF 2 7/8" L-80 TBG, BREAK DWN PLUG AND PACKER, LD TOOLS - LD 128 JNTS OF 2 7/8" L-80 TBG, BREAK DWN PLUG AND PACKER, LD TOOLS - PU RIH W/ 2 3/8" SN, 2 3/8" 4FT SUB, X-O, PACKER, ON/OFF TOOL, 2 7/8" SN, 126 JNTS 2 7/8" J-55 TBG, EOT @ 4012.25, SWIFN, -PU RIH W/ 2 3/8" SN, 2 3/8" 4FT SUB, X-O, PACKER, ON/OFF TOOL, 2 7/8" SN, 126 JNTS 2 7/8" J-55 TBG, EOT @ 4012.25, SWIFN, - DRAIN PUMP/ HARDLINE, RACK OUT PUMP, SDFN, -DRAIN PUMP/ HARDLINE, RACK OUT PUMP, SDFN, - Crew Travel - Crew Travel - CREW TRAVEL, JSA, JSP, START EQUIPTMENT - CREW TRAVEL, JSA, JSP, START EQUIPTMENT -FLUSH 40 BBLS, DROP STANDING VALVE, FILL W/ 9 BBLS - FLUSH 40 BBLS, DROP STANDING VALVE, FILL W/ 9 BBLS - PUMP UP TO 3000 PSI, DROPPING 40 PSI FIRST TEST, PUMP BACK UP DROPPING 20 NEXT TEST, PUMP BACK UP HOLDING TIGHT FOR 30 MIN - PUMP UP TO 3000 PSI, DROPPING 40 PSI FIRST TEST, PUMP BACK UP DROPPING 20 NEXT TEST, PUMP BACK UP HOLDING TIGHT FOR30 MIN - RU SANDLINE, RIH FISH STANDING VALVE @ 4,000 FT, RD SANDLINE - RU SANDLINE, RIH FISH STANDING VALVE @ 4,000 FT, RD SANDLINE -RD WORKFLOOR, ND BOP, NU WELLHEAD - RD WORKFLOOR, ND BOP, NU WELLHEAD -FLUSH CSG 50 BBLS PACKER FLUID - FLUSH CSG 50 BBLS PACKER FLUID - SET PACKER, LAND WELL W/ INJECTION TREE, PUMP UP TO 1500 PSI, DROPPING 20 FIRST TEST, HOLDING NEXT TEST - SET PACKER, LAND WELL W/ INJECTION TREE, PUMP UP TO 1500 PSI, DROPPING 20 FIRST TEST, HOLDING NEXT TEST - RD CLEAN UP LOCATION - RD CLEAN UP LOCATION - CREW TRAVEL, JSA, JSP, START EQUIPTMENT - CREW TRAVEL, JSA, JSP, START EQUIPTMENT - SET PACKER @ 4020, RU NABORS FRAC, PRESSURE UP BS TO 500 PSI, SAFETY MEETING - SET PACKER @ 4020, RU NABORS FRAC, PRESSURE UP BS TO 500 PSI, SAFETY MEETING - Press test. Frac GB-6 formation w/ 30,100# 20/40 white sand @ psi max press, 3233 psi avg press. 20 BPM max arte. 17.8 avg rate. ISIP 1539psi FG.83, 332 Total bbls pumped - Press test. Frac GB-6 formation w/ 30,100# 20/40 white sand @ psi max press, 3233 psi avg press. 20 BPM max arte. 17.8 avg rate. ISIP 1539psi FG.83. 332 Total bbls pumped - FLOW BACK WELL UP TBG WELL FLOWING BCK 200 BBLS BEFORE DYIING - FLOW BACK WELL UP TBG WELL FLOWING BCK 200 BBLS BEFORE DYIING - RELEASE PACKER, RIH TAGGING 30 FT OF FILL ON PLUG @ 4100, WASH DWN OVER PLUG, ROLL HOLE CLEAN, RELEASE PLUG, WELL GOING ON VACUUM - RELEASE PACKER, RIH TAGGING 30 FT OF FILL ON PLUG @ 4100, WASH DWN OVER PLUG, ROLL HOLE CLEAN, RELEASE PLUG, WELL GOING ON VACUUM - LD 128 JNTS OF 2 7/8" L-80 TBG, BREAK DWN PLUG AND PACKER, LD TOOLS -LD 128 JNTS OF 2 7/8" L-80 TBG, BREAK DWN PLUG AND PACKER, LD TOOLS - PU RIH W/ 2 3/8" SN, 2 3/8" 4FT SUB, X-O, PACKER, ON/OFF TOOL, 2 7/8" SN, 126 JNTS 2 7/8" J-55 TBG, EOT @ 4012.25, SWIFN, - PU RIH W/ 2 3/8" SN, 2 3/8" 4FT SUB, X-O, PACKER, ON/OFF TOOL, 2 7/8" SN, 126 JNTS 2 7/8" J-55 TBG, EOT @ 4012.25, SWIFN, - DRAIN PUMP/ HARDLINE, RACK OUT PUMP, SDFN, - DRAIN PUMP/ HARDLINE, RACK OUT PUMP, SDFN, -Crew Travel - Crew Travel - CREW TRAVEL, JSA, JSP, START EQUIPTMENT - CREW TRAVEL, JSA, JSP, START EQUIPTMENT - FLUSH 40 BBLS, DROP STANDING VALVE, FILL W/ 9 BBLS -FLUSH 40 BBLS, DROP STANDING VALVE, FILL W/ 9 BBLS - PUMP UP TO 3000 PSI, DROPPING 40 PSI FIRST TEST, PUMP BACK UP DROPPING 20 NEXT TEST, PUMP BACK UP HOLDING TIGHT FOR30 MIN - PUMP UP TO 3000 PSI, DROPPING 40 PSI FIRST TEST, PUMP BACK UP DROPPING 20 NEXT TEST, PUMP BACK UP HOLDING TIGHT FOR 30 MIN - RU SANDLINE, RIH FISH STANDING VALVE @ 4,000 FT, RD SANDLINE - RU SANDLINE, RIH FISH STANDING VALVE @ 4,000 FT, RD SANDLINE - RD WORKFLOOR, ND BOP, NU WELLHEAD - RD

Sundry Number: 47738 API Well Number: 43013328170000 Summary Rig Activity

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WORKFLOOR, ND BOP, NU WELLHEAD - FLUSH CSG 50 BBLS PACKER FLUID - FLUSH CSG 50 BBLS PACKER FLUID - SET PACKER, LAND WELL W/ INJECTION TREE, PUMP UP TO 1500 PSI, DROPPING 20 FIRST TEST, HOLDING NEXT TEST - SET PACKER, LAND WELL W/ INJECTION TREE, PUMP UP TO 1500 PSI, DROPPING 20 FIRST TEST, HOLDING NEXT TEST - RD CLEAN UP LOCATION - RD CLEAN UP LOCATION - CREW TRAVEL, JSA, JSP, START EQUIPTMENT -CREW TRAVEL, JSA, JSP, START EQUIPTMENT - SET PACKER @ 4020, RU NABORS FRAC, PRESSURE UP BS TO 500 PSI, SAFETY MEETING - SET PACKER @ 4020, RU NABORS FRAC, PRESSURE UP BS TO 500 PSI, SAFETY MEETING - Press test. Frac GB-6 formation w/ 30,100# 20/40 white sand @ psi max press, 3233 psi avg press. 20 BPM max arte. 17.8 avg rate. ISIP 1539psi FG.83. 332 Total bbls pumped - Press test. Frac GB-6 formation w/ 30,100# 20/40 white sand @ psi max press, 3233 psi avg press. 20 BPM max arte. 17.8 avg rate. ISIP 1539psi FG.83. 332 Total bbls pumped - FLOW BACK WELL UP TBG WELL FLOWING BCK 200 BBLS BEFORE DYIING - FLOW BACK WELL UP TBG WELL FLOWING BCK 200 BBLS BEFORE DYIING - RELEASE PACKER, RIH TAGGING 30 FT OF FILL ON PLUG @ 4100, WASH DWN OVER PLUG, ROLL HOLE CLEAN, RELEASE PLUG, WELL GOING ON VACUUM - RELEASE PACKER, RIH TAGGING 30 FT OF FILL ON PLUG @ 4100, WASH DWN OVER PLUG, ROLL HOLE CLEAN, RELEASE PLUG, WELL GOING ON VACUUM - LD 128 JNTS OF 2 7/8" L-80 TBG, BREAK DWN PLUG AND PACKER, LD TOOLS - LD 128 JNTS OF 2 7/8" L-80 TBG, BREAK DWN PLUG AND PACKER, LD TOOLS - PU RIH W/ 2 3/8" SN, 2 3/8" 4FT SUB, X-O, PACKER, ON/OFF TOOL, 2 7/8" SN, 126 JNTS 2 7/8" J-55 TBG, EOT @ 4012.25, SWIFN, - PU RIH W/ 2 3/8" SN, 2 3/8" 4FT SUB, X-O, PACKER, ON/OFF TOOL, 2 7/8" SN, 126 JNTS 2 7/8" J-55 TBG, EOT @ 4012.25, SWIFN, - DRAIN PUMP/ HARDLINE, RACK OUT PUMP, SDFN, - DRAIN PUMP/ HARDLINE, RACK OUT PUMP, SDFN, - Crew Travel - Crew Travel - CREW TRAVEL, JSA, JSP, START EQUIPTMENT - CREW TRAVEL, JSA, JSP, START EQUIPTMENT - FLUSH 40 BBLS, DROP STANDING VALVE, FILL W/ 9 BBLS - FLUSH 40 BBLS, DROP STANDING VALVE, FILL W/ 9 BBLS - PUMP UP TO 3000 PSI, DROPPING 40 PSI FIRST TEST, PUMP BACK UP DROPPING 20 NEXT TEST, PUMP BACK UP HOLDING TIGHT FOR30 MIN - PUMP UP TO 3000 PSI, DROPPING 40 PSI FIRST TEST, PUMP BACK UP DROPPING 20 NEXT TEST, PUMP BACK UP HOLDING TIGHT FOR 30 MIN - RU SANDLINE, RIH FISH STANDING VALVE @ 4,000 FT, RD SANDLINE -RU SANDLINE, RIH FISH STANDING VALVE @ 4,000 FT, RD SANDLINE - RD WORKFLOOR, ND BOP, NU WELLHEAD - RD WORKFLOOR, ND BOP, NU WELLHEAD - FLUSH CSG 50 BBLS PACKER FLUID - FLUSH CSG 50 BBLS PACKER FLUID - SET PACKER, LAND WELL W/ INJECTION TREE, PUMP UP TO 1500 PSI, DROPPING 20 FIRST TEST, HOLDING NEXT TEST -SET PACKER, LAND WELL W/ INJECTION TREE, PUMP UP TO 1500 PSI, DROPPING 20 FIRST TEST, HOLDING NEXT TEST - RD CLEAN UP LOCATION - RD CLEAN UP LOCATION Finalized

Daily Cost: \$0

**Cumulative Cost:** \$92,179

2/4/2014 Day: 6 Conversion

Rigless on 2/4/2014 - Conduct initial MIT - On 01/28/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 01/29/2014 the casing was pressured up to 1607 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. - On 01/28/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 01/29/2014 the casing was pressured up to 1607 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. - On 01/28/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 01/29/2014 the casing was pressured up to 1607 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. Finalized

Daily Cost: \$0

Cumulative Cost: \$124,391

Pertinent Files: Go to File List

Spud Date:06/28/2006

#### Put on Production: 08/09/06 GL: 6382' KB: 6394' Injection Wellbore Diagram SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" 08-01-06 5765-5777 Frac CP5 sands as follows: GRADE: J-55 24.586# 20/40 sand in 376 bbls Lightning 17 Cement Top (a: 270) frac fluid Treated (w avg press of 2484 psi w'avg rate of 25 3 BPM 1SIP 2415 psi Calc WEIGHT: 24# Casing Shoe @ 322 flush: 5763 gal Actual flush: 5250 gal. LENGTH: 7 jts (310.49°) 08-01-06 5368-5374" Frac LODC sands as follows: DEPTH LANDED: 322 34' KB 19,944# 20/40 sand in 303 bbls Lightning 17 HOLE SIZE:12-1/4" frac fluid Treated (the avg press of 2225 psi w/avg rate of 25 1 BPM ISIP 2230 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt. est 4 bbls cmt to surf. flush: 5366 gal Actual flush: 4914 gal 08-02-06 5138-5156 Frac LODC sands as follows: 80,509# 20/40 sand in 601 bbls Lightning 17 fiac fluid. Treated @ avg press of 2160 psi w/avg rate of 25.2 BPM ISIP 2680 psi. Calc flush: 5136 gal Actual flush: 4620 gal 08-02-06 4814-4824 Frac B2 sands as follows: PRODUCTION CASING 24.626# 20/40 sand in 315 bbls Lightning 17 frac fluid. Treated @ avg press of 2157 psi w/avg rate of 25.2 BPM. ISIP 1860 psi Calc CSG SIZE: 5-1/2' GRADE: J-55 flush: 4812 gal Actual flush: 4326 gal WEIGHT: 15.5# 08-02-06 4706-4685 Frac C &D3 sands as follows: 54,787# 20/40 sand in 451 bbls Lightning 17 LENGTH: 135 jts (5904.11') frac fluid Treated @ avg press of 1657 psi w/avg rate of 25 3 BPM ISIP 1540 psi Calc DEPTH LANDED: 5917 90' KB HOLE SIZE: 7-7/8" flush: 4704 gai Actual flush: 4200 gal 08-04-06 4566-45833 Frac D1 sands as follows: CEMENT DATA: 305 sxs Prem. Lite II mixed & 452 sxs 50/50 POZ 176.650# 20/40 sand in 1162 bbls Lightning 17 CEMENT TOP: 270' frac fluid Treated@ avg press of 1722 psi w/avg rate of 25 2 BPM ISIP 1860 psi Calc flush: 4564 gal. Actual flush: 4452 gal Pump Change. Update rod and tubing details. 03/22/07 TUBING 7/13/07 Pump change Update rod & tubing details SIZE/GRADE/WT: 2-7/8" / J-55 / 6 5# 02/27/10 Parted Rods. Update rod & tubing details NO OF JOINTS: 126 its (3984.61) 01/27/14 4060-4071\* Frac GB6 sands as follows: 30100# 20/40 SEATING NIPPLE: 2-7/8" (1-10") sand in 179 bbls Lightning 17 frac fluid. SN LANDED AT: 3996 6' KB 01/28/14 Convert to Injection Well ON/OFF TOOL AT: 3997 7 Conversion MIT Finalized - update tbg detail 01/29/2014 ARROW #1 PACKER CE AT: 4002 8' SN (a. 3997' XO 2-3/8 x 2-7/8 J-55 AT: 4006.4 On Off Tool (@ 3998) TBG PUP 2-3/8 J-55 AT: 4006.9° Packer (a. 4003) X/N NIPPLE AT: 4011 X/N Nipple @ 4011' EOT @ 4012' TOTAL STRING LENGTH: EOT @ 4012.24' 4060-4071 PERFORATION RECORD 07-21-06 5765-5777 4 JSPF 48 boles 08-01-06 5368-5374' 4 JSPF 24 holes 08-01-06 5138-5156' 4 JSPF 72 holes 4566-4583 08-02-06 4814-4824' 4 JSPF 40 holes 08-02-06 4706-4713 4 JSPF 28 hotes 4678-4685 08-02-06 4678-4685" 4 JSPF 28 hotes 4706-4713 08-02-06 4566-4583' 4 JSPF 68 holes 01-23-14 4060-4071' 3 JSPF 4814-4824 5138-5156 5368-5374 5765-5777 NEWFIELD PBTD (a. 5896) SHOE @ 5918' Ashley Federal 14-23-9-15 TD (a. 5930) 763' FSL & 1960' FWL SE/SW Section 23-T9S-R15E Duchesne Co, Utah API #43-013-32817; Lease #UTU-66185 LCN 02/05/14

Ashley Federal 14-23-9-15